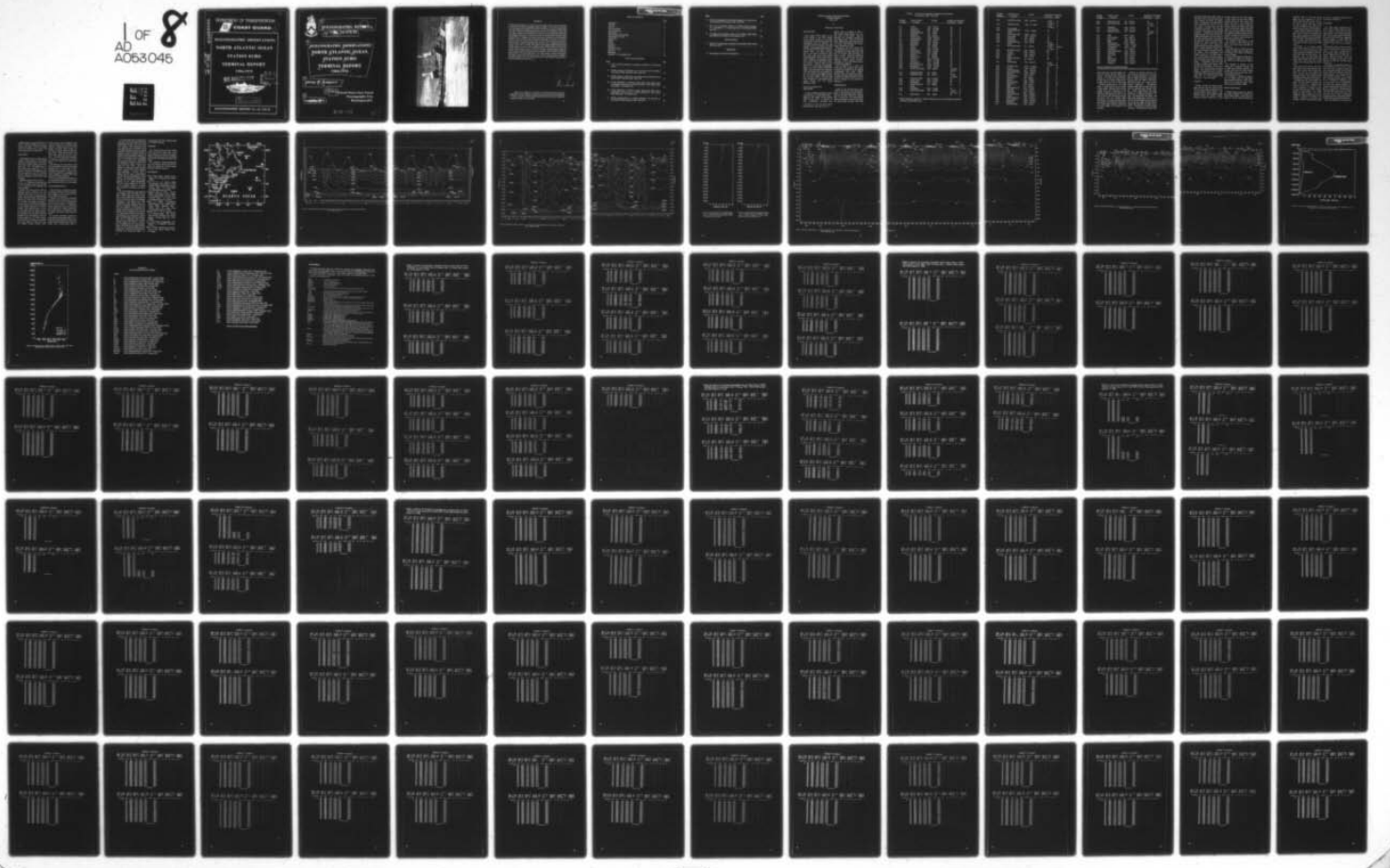
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NORTH ATLANTIC OCEAN

STATION ECHO

TERMINAL REPORT

1966-1973

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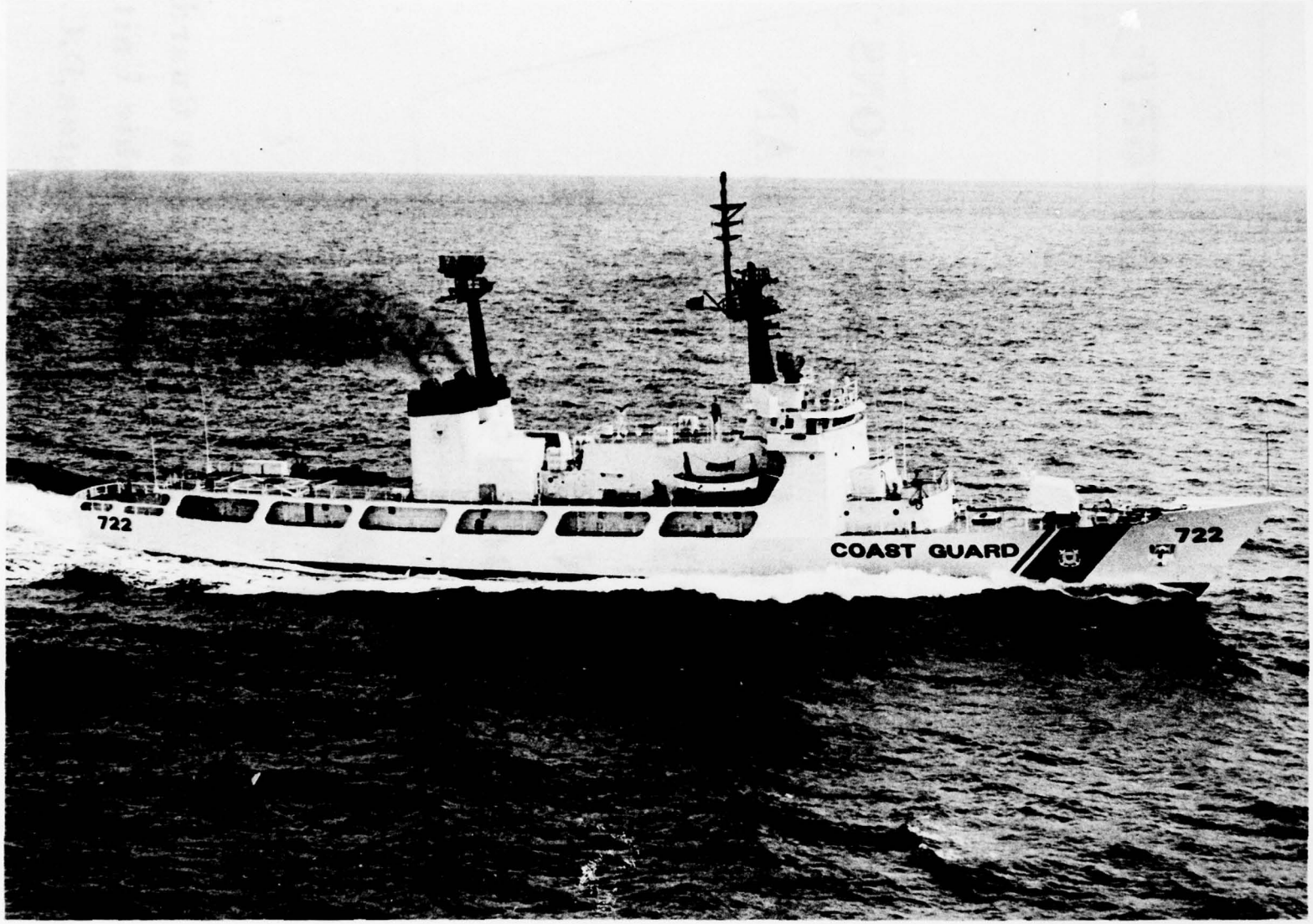
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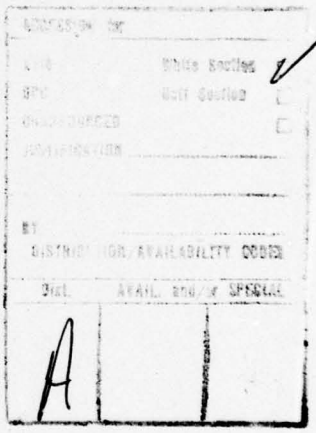
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ABSTRACT

Observed temperatuure and salinity data, plus sigma-t values and sound velocities are presented for 1620 oceanographic stations occupied by U.S. Coast Guard Cutters at Ocean Station ECHO (centered at 35° 00'N, 48° 00'W) from January 1969 through June 1973. All data, including that previously reported, was averaged by month. Plots of average temperature and average salinity versus time and average depth of isotherms and isohalines versus time are plotted by month for all patrols since September 1966. Representative T-S diagrams are included along with a typical plot of the lst standard devitation of the monthly average temperature and salinity versus depth. The various plots are analyzed to examine annual cycles at ECHO. The sea surface temperature at ECHO reaches a monthly average maximum of about 26° C in August and a minimum usually of about 18° C in March. The salinity cycle is highly variable with the average monthly salinity maximum of about 36.6‰ usually occurring between June and July, though during certain years (i.e. 1970) the monthly average salinity minimum of between about 36.0‰ and 36.2‰ occurred during this time. The surface effects are largely limited to the upper 200 meters of the water column. A series of temperature and salinity cycles below 200 meters of two to three months duration, probably a barotropic response, is noted at intermediate depths. Also, dissolved oxygen measurements are analyzed for two cruises.



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NORTH ATLANTIC OCEAN STATION ECHO
TERMINAL REPORT
1966 - 1973

by

ADRIAN W. LONGACRE [1]

INTRODUCTION

Ocean Station ECHO, (figure 1), one of five stations in the North Atlantic Ocean formerly occupied by U.S. Coast Guard Cutters on which meteorological and oceanographic data was collected, was centered at 35° 00'N latitude, 48° 00'W longitude. Oceanographic stations at ECHO were first taken by the USCGC CASCO in January 1963. The final occupation was by the USCGC INGHAM in June 1973, after which Ocean Station ECHO was disestablished. Between those dates, a total of eighty-six oceanographic occupations occurred. Data from the first occupation, January - February 1963, was published in U.S. Coast Guard Oceanographic Report No. CG 373-2 (Morse and McGary, 1964). Data collected between September 1966 and October 1967 was published in U.S. Coast Guard Oceanographic Report No. CG 373-21 (Shuhy, 1969) and that from November 1967 to December 1968 were covered in U.S. Coast Guard Oceanographic Report No. CG 373-49 (Rosebrook, 1971).

DATA COLLECTION AND PROCESSING

A total of 2048 oceanographic stations were taken by U.S. Coast Guard Cutters during the 86 patrols between January 1963 and June 1973. A summary of these oceanographic operations since January 1963 is presented in Table 1. Nine hundred eleven stations were occupied using an STD system, with the remaining 1137 consisting of shallow and deep Nansen casts. Data was collected using established procedures outlined in the U.S. Coast Guard Manual for Oceanographic Operations (CG-410).

Temperature data from Nansen casts were transmitted to the U.S. Coast Guard Oceanographic Unit immediately after each cast for real-time data processing and quality control. Corrected temperature values were forwarded to the Navy Fleet Numerical Weather Central, Monterey, California, for use in forecasting synoptic oceanographic conditions.

Upon completion of a cruise, collected data were processed and quality controlled and submitted to the National Oceanographic Data Center (NODC). Observed values of temperature, salinity, and dissolved oxygen and computed values of sigma-t and sound velocity for occupations 21 through 87 are presented in Appendix A.

TEMPERATURE

August was the warmest month as indicated by the surface water temperature, figure 2, with the average surface temperature between 26.8°C and 24.5°C, averaging 26° C over all years. The coldest average surface temperature was between February and April, usually in March. Below 100

"1 Formally of the U.S. Coast Guard Oceanographic Unit, Building 159-E, Navy Yard Annex, Washington, D.C."

TABLE 1 - Summary of oceanographic operations on Ocean Station ECHO January 1963 - June 1973

CRUISE NUMBER	COAST GUARD CUTTER	DATES	NUMBER OF STATIONS SHALLOW*	DEEP
E-1	CASCO	1/29 - 2/16/63	29	5
E-2	YAKUTAT	9/21 - 10/13/66	22	1
E-3	McCULLOCH	2/4 - 2/25/67	18	0
E-4	ANDROSCOGGIN	7/17 - 8/6/67	11	0
E-5	ABSECON	7/17 - 8/6/67	20	0
E-6	McCULLOCH	9/26 - 10/14/67	17	0
E-7	CASTLE ROCK	11/28 - 12/11/67	8	0
E-8	HUMBOLDT	1/10 - 2/1/68	22	1
E-9	ESCANABA	2/26 - 3/19/68	17	1
E-10	MENDOTA	4/12 - 5/4/68	17	1
E-11	CASCO	5/5 - 5/27/68	6	7
E-12	SEBAGO	5/28 - 6/19/68	18	2
E-13	HALF MOON	6/20 - 7/12/68	23	4
E-14	CASTLE ROCK	7/14 - 8/4/68	20	1
E-15	SEBAGO	8/5 - 8/27/68	22	1
E-16	CHASE (STD)	9/1 - 9/22/68	71	0
E-17	DALLAS	9/23 - 10/11/68	19	1
E-18	YAKUTAT	10/12 - 11/5/68	24	1
E-19	McCULLOCH	11/6 - 11/25/68	16	0
E-20	BOUTWELL (STD)	11/30 - 12/5/68	18	0
E-21	HUMBOLDT	12/22 - 1/11/69	17	1
E-22	COOK INLET (STD)	1/12 - 2/6/69	11 Nansen	0
			18 STD	0
E-23	ANDROSCOGGIN	2/9 - 3/2/69	13	0
E-24	SHERMAN (STD)	3/3 - 3/26/69	12 STD	0
			4 Nansen	0
E-25	YAKUTAT (STD)	3/26 - 4/18/69	81	4
E-26	CHASE (STD)	4/18 - 5/11/69	60	0
E-27	HUMBOLDT	5/11 - 6/3/69	17	1
E-28	ANDROSCOGGIN (STD)	6/3 - 6/26/69	33	0
E-29	CAMPBELL	6/26 - 7/19/69	20	0
E-30	COOK INLET (STD)	7/19 - 8/10/69	9 STD	0
			19 Nansen	0
E-31	McCULLOCH	8/11 - 9/3/69	19	2

*Shallow Stations are collected to a depth of 1500 meters or less, Deep Stations are collected to depths exceeding 1500 meters.

CRUISE NUMBER	COAST GUARD CUTTER	DATES	NUMBER OF STATIONS SHALLOW*	DEEP
E-32	BOUTWELL (STD)	9/26 - 10/19/69	2 STD	0
			17 Nansen	0
E-33	ABSECON (STD)	10/22 - 11/11/69	5 STD	0
			10 Nansen	1
E-34	no occupation			
E-35	ANDROSCOGGIN (STD)	11/12 - 12/3/69	29	0
E-36	ESCANABA (STD)	12/28 - 1/19/70	14	0
E-37	GALLATIN	1/20 - 2/10/70	11	1
E-38	MENDOTA	2/11 - 3/6/70	14	1
E-39	ESCANABA	3/7 - 3/24/70	12	1
E-40	ANDROSCOGGIN (STD)	3/29 - 5/1/70	54 STD	0
			4 Nansen	0
E-41	ESCANABA (STD)	5/1 - 5/31/70	87 STD	22 STD
			1 Nansen	0
E-42	BOUTWELL (STD)	5/31 - 6/29/70	109	0
E-43	DUANE	6/30 - 7/22/70	21	1
E-44	ABSECON	7/22 - 8/14/70	17	1
E-45	BIBB	8/14 - 9/6/70	11	1
E-46	ANDROSCOGGIN (STD)	9/6 - 9/29/70	48	11
E-47	CHASE (STD)	9/29 - 10/22/70	60 STD	0
			4 Nansen	0
E-48	OWASCO (STD)	10/22 - 11/14/70	14	15
E-49	DUANE	11/14 - 12/7/70	10	0
E-50	CHINCOTEAGUE	12/7 - 12/30/70	20	1
E-51	ESCANABA (STD)	12/30 - 1/22/71	18	0
E-52	INGHAM	1/22 - 2/12/71	9	1
E-53	DALLAS (STD)	2/12 - 3/7/71	11	8
E-54	MENDOTA	3/7 - 3/30/71	15	0
E-55	SEBAGO	3/30 - 4/22/71	21	0
E-56	DALLAS (STD)	4/22 - 5/15/71	14	16
E-57	MENDOTA	5/15 - 6/7/71	24	0
E-58	BIBB	6/7 - 6/30/71	14	1
E-59	ANDROSCOGGIN	6/30 - 7/24/71	17	1
E-60	SPENCER	7/24 - 8/17/71	21	0
E-61	SHERMAN	8/17 - 9/14/71	28	0
E-62	CHINCOTEAGUE	9/14 - 10/10/71	20	1
E-63	DUANE	10/10 - 11/5/71	15	1
E-64	CHINCOTEAGUE	11/5 - 11/25/71	15	1
E-65	McCULLOCH	11/25 - 12/17/71	11	0
E-66	SPENCER	12/17 - 1/10/72	12	0
E-67	MORGENTHAU	1/10 - 2/5/72	12	1

CRUISE NUMBER	COAST GUARD CUTTER	DATES	NUMBER OF STATIONS SHALLOW*	DEEP
E-68	CHINCOTEAGUE	2/5 - 2/29/72	10	1
E-69	ESCANABA (STD)	2/29 - 3/25/72	23 STD	2
			1 Nansen	0
E-70	CAMPBELL	3/25 - 4/20/72	14	2
E-71	DALLAS (STD)	4/20 - 5/17/72	40	0
E-72	SHERMAN (STD)	5/17 - 6/10/72	3 Nansen	0
			39 STD	4
E-73	BIBB	6/10 - 7/4/72	10	1
E-74	CHAUTAUQUA	7/4 - 7/30/72	19	1
E-75	GALLATIN	7/30 - 8/24/72	16	0
E-76	BIBB	8/24 - 9/18/72	16	1
E-77	WINNE BAGO	9/18 - 10/8/72	9	0
E-78	ANDROSCOGGIN	11/23 - 12/16/72	10	1
E-79	WINNEBAGO	12/16 - 1/7/73	10	2
E-80	CAMPBELL	1/7 - 1/29/73	6	1
E-81	PONTCHARTRAIN	1/29 - 2/23/73	13	0
E-82	MENDOTA	2/23 - 3/18/73	12	1
E-83	GALLATIN	3/18 - 4/11/73	14	0
E-84	BIBB	4/11 - 5/3/73	11	1
E-85	ESCANABA	5/3 - 5/23/73	17	2
E-86	BOUTWELL	5/23 - 6/12/73	20	0
E-87	INGHAM	6/12 - 6/30/73	8	1

OCEAN STATION ECHO DISESTABLISHED

meters reactions to seasonal changes were much less extreme and were almost non-existent. The rapid surface temperature decrease in the fall and winter showed its effect down to depths of 200 meters. Possible effects were seen to 300 meters.

Averaged temperatures for the 300 meter to 1000 meter levels were similar in their monthly variations. Between some months there were differences in the monthly variations of temperature at the 300 meter and 400 meter levels as compared to those below 500 meters, but such occurrences were the exception rather than the rule. The steeper vertical temperature gradient of the shallower levels would have caused larger tempeature differences for equal changes in the depth of the isotherms.

Response to seasonal cycles over the year was most pronounced in the surface layer, as already mentioned. In the 300 meter to 1000 meter layers, temperatures dropped from June 1967 to July 1967, after which there was a sharp increase through September. Temperatures dropped sharply until November, and then fell more gradually until February 1968. By March, temperatures had risen, followed by a slight decrease above 400 meters and a continued rise below. By June, all temperatures had fallen from their earlier spring high. From June to October, all temperatures showed a gradual rise, except for a slight decrease between August and September at certain deeper levels. Temperatures decreased through December. Temperatures in these levels

increased through March 1969, except at 300 meters where the increase lasted only until February and March was slightly cooler. Temperatures decreased between March and April, then rose for the next two months. Between June and July temperatures decreased. They increased in August. Little change occurred through September. Subsequently temperatures dropped through January 1970, except for a slight brief increase in November between 300 meters and 500 meters. Temperatures then generally increased through March, decreased in April, increased in May, sharply decreased in June, followed by increasing temperatures through September 1970. October showed a sharp drop, followed by an increase through November. By January 1971, temperatures had dropped by from 1.7° C at 300 meters to 2.7° C at 700 meters. By April, temperatures had increased, and then fell through July, to increase again, reaching a peak in August. Temperatures then fell until November, increased until January 1972, and then fell until March. By June, temperatures were much higher, and started falling. This continued until November (October at 700m) and fell in December. Until March 1973, temperatures remained within 0.6° C of the December 1972 temperature . They fell in April.

SALINITY

Monthly averaged sea surface salinity values showed a seasonal variation much like that of sea surface tempeature, but to a less noticeable degree, figure 3. The highest average sea surface salinity usually occurred during the summer months, though not always, followed by a rapid decrease during the early fall months. A rapid increase in the surface salinity occurred during the early winter, after which there was a more gradual net increase toward the summer maximum. However, between the rapid rise in early winter, and the more gradual spring rise, there was, on several occasions, a decrease. The variation of salinity with time showed a greater variation at the surface as compared to the deeper levels, showing the effects at the air-sea interface.

The monthly average salinity at 100 meters seemed to vary more along the lines of the deeper layers than the surface layers.

From 200 meters to 1000 meters the variation in salinity showed a high degree of similarity, with salinity decreasing as one moved deeper.

Between 1000 meters and 1500 meters, the variations in salinity were similar to one another, but with much less uniformity.

The similarity in variation of both salinity and tempeature between 700 and 2000 meters indicates this layer was a single water mass, the North Atlantic Central Water mass, as previously reported by Rosebrook (1971).

The similarity in variation of temperature and salinity down to 1500 meters again supports Rosebrook's (1971) observation of this being the Upper North Atlantic Deep Water (Wust, 1936).

DISSOLVED OXYGEN

Dissolved oxygen samples were collected and analyzed during two occupations of Ocean Station ECHO. These were occupation No. 49 by USCGC DUANE (14

November 1970 to 7 December 1970), figure 4a, and occupation No. 52 by USCGC INGHAM (25 January 1971 to 11 February 1971), figure 4b. During the first occupation 10 stations were analyzed for dissolved oxygen; during the second occupation there were 19 stations.

Surface values of dissolved oxygen averaged around 5.15 ml/l for occupation 49. The oxygen minimum occurred between 600 meters and 800 meters, with O_2 values around 4.0 ml/l. After the minimum, O_2 values increased with depth and reached a maximum of about 6 ml/l around 1500 meters.

Occupation No. 52 showed higher surface values (average around 5.5 ml/l) followed by a more rapid decrease with depth to the O_2 minimum layer between about 500 meters and 650 meters. The minimum value was about 3.60 ml/l. Again, values increased with depth to 1500 meters after which values were nearly constant with increasing depth at about 6 ml/l.

Both sets of data showed a great similarity below the oxygen minimum layer. The greater surface values during occupation 52, and the more shallow and lower minimum values indicated greater biological activity, both production and consumption, during the later occupation.

Temperatures were cooler during occupation 52 than during occupation 49. There was, however, a warming trend between January and February 1971, while temperatures decreased between November and December 1970. Salinity showed a similar pattern. The cooling during the first occupation may have resulted in a sinking of the surface waters, causing a removal of producers and nutrients, while the warming trend during the second occupation could have caused an increase in productivity.

ISOTHERMS

The coolest surface temperatures present at Ocean Station ECHO was about 17° C, figure 5. This isotherm varied in depth between 460 meters (September 1967) and the surface (April 1970). During the period where ECHO was continually manned (starting in April 1968), the minimum depth of the 17° C level was reached in April, and on two occasions in June.

The greatest depth of this level usually occurred in late summer, and or in late winter. The former occurring due to the isotherms being depressed due to summer heating and the latter due to winter cooling and mixing. There was generally as slight rise in depth of the isotherm between the fall and winter deep values.

This pattern was generally followed by all isotherms from 17° C to 5° C. There were some minor exceptions to this, but these exceptions generally occurred during months where the isotherms made only small migrations. For example, between April and May 1968 the 17° C through 10° C isotherms became shallower, while the 9° C through 5° C isotherms moved to deeper levels. The most radical departure from this general uniformity was between February and March 1970, where the 16° C through 5° C isotherms moved 50 meters deeper, while the 17° C isotherm rose from 275 meters to 80 meters. This may have been a result of atmospheric (temperature) effects, although such effects usually did not appear below 200 meters.

Since deep stations were not made with

enough frequency, annual fluctuations of the 3° C and 4° C isotherms were not sufficiently well defined. However, that data which were collected seems to agree with the fluctuations of the warmer levels.

ISOHALINES

The isohalines showed a similar seasonal variation of depth, figure 6. The salinity appeared to generally decrease with depth. The lowest surface salinity present was about 36.3 °/₀₀. The salinity down to about 100 meters (about 35.1 °/₀₀) generally followed the fluctuations of the 36.3 °/₀₀ isohaline. The 35.0 °/₀₀ isohaline also followed the general trend of the shallower isohalines, but less closely than the others.

Monthly variations of the 36.3 °/₀₀ to 35.1 °/₀₀ isohalines were similar except for several occasions where there appeared to be a lag between the shallower and deeper isohalines.

Between June 1967 and July 1967 the isohalines became shallower and then descended 280 meters or more by September. The levels rose to within about 40 meters of the July level by February 1968. These lower winter values were followed by the depth of isohalines increasing for the next one to three months (depending on the isohaline), followed by isohalines moving to their shallowest level in June, for the higher values of salinity, and July for less saline water. By August, all layers had descended, but September showed the isohalines to be rather irregular, with some moving shallower, and others deeper. From October to November, the isohalines had become shallower, followed by a general sinking through February 1969. Various layers moved differently until April when all layers were shallower than February. During the next two to three months, the layers moved deeper, followed by a general overall rise until January 1970. Levels moved deeper until March, after which they rose to a June peak. Levels descended until September. A sharp rise was apparent for October, then November showed layers had moved deeper.

The following year was similar to 1970 with layers shallow in January, descending through April, a yearly high in July, descending to September, a short rise to November, followed by descending levels which continued to January 1972, after which levels rose through March.

From June 1972 until March 1973 levels did not generally appear to vary by more than 50 meters between any two months.

STANDARD DEVIATION

Since all data for a month was averaged, the standard deviation for both tempeature and a salinity for each month was computed at 100 meter intervals.

Normally, one would expect the greatest deviation to occur at the surface or in the near surface layer where the atmospheric effects would be greatest. Furthermore, an open ocean area, such as Ocean Station ECHO, should have a greater deviation in this surface region for temperature, than for salinity, since runoff would not have an effect.

As expected, temperature did show a much greater deviation than salinity for virtually all months and depths. However, the greatest deviation did not only occur at the surface, but in deeper layers, figure 7.

To be sure, large values of standard deviation did occur in the upper 100 meters, particularly from May to October of most years studied. These surface layer values were generally more noticeable in the temperature parameter than in the salinity parameter. However, the greatest values of standard deviation generally occurred at depths between about 400 and 800 meters, with a few occasions where it was slightly above or below this level. Additionally, this maximum deviation for both salinity and temperature usually occurred at or nearly the same depth. Where they differed, the maximum salinity deviation usually occurred 100 meters shallower than temperature. However, where a salinity peak did occur, a high standard deviation value for temperature was always present. The maximum deviation invariably occurred in the region of the largest gradient of the thermocline/halocline. Therefore, small variations in the depth of the isopleths resulted in relatively large variations in temperature and salinity values.

The vertical migration of the isotherms and isohalines from about 200 meters to below 1000 meters (and almost noticeable to about 3000 meters, although the data were almost too sparce to extrapolate conclusions to that depth) were fairly independent of the seasonal surface temperature and salinity variations. In particular, the variations of tempeature and salinity depicted in figures 6 and 7 for the months of July, September and November 1971 and January 1972 show excursions of the isopleths of up to 250 meters. At first glance it might appear that these variations were due to transiting water masses through Ocean Station ECHO. However, the T-S diagrams for these four months, figures 8a through 8d, are nearly identical except for the expected variations in the surface levels. This would tend to discount intruding water masses and eddies. It would appear that these variations might be a barotropic response.

SUMMARY

The seasonal effects at Ocean Station ECHO were clearly visible only in the upper 100 meters. On some rare occasions, however, the turnover may have resulted in nearly isothermal conditions as deep as 300 meters.

The permanent thermocline-halocline may have had an annual cycle but one which was masked by a shorter period, possibly a barotropic response.

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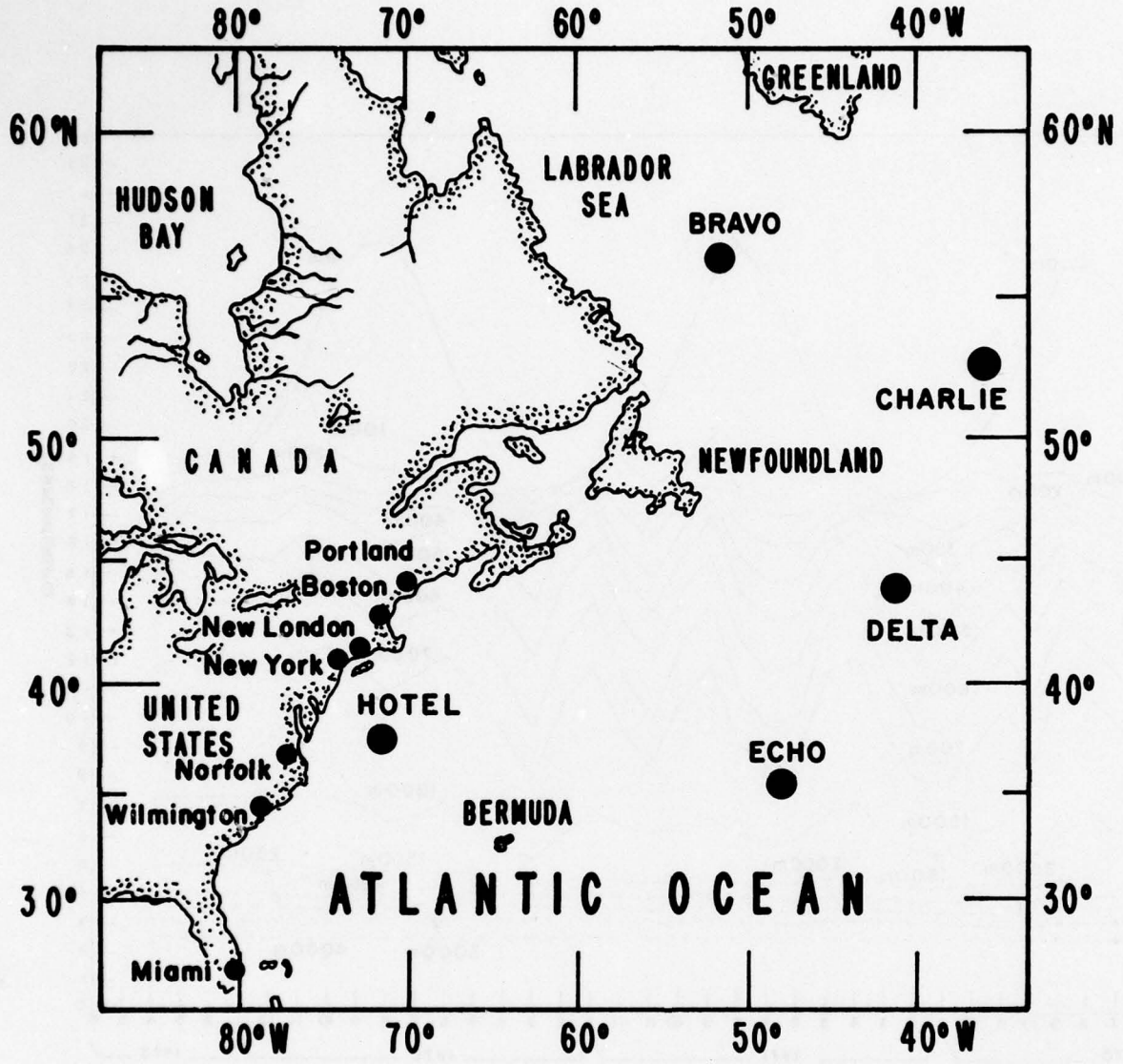


FIGURE 1.—Chart of North Atlantic Ocean Stations occupied by U.S. Coast Guard vessels.

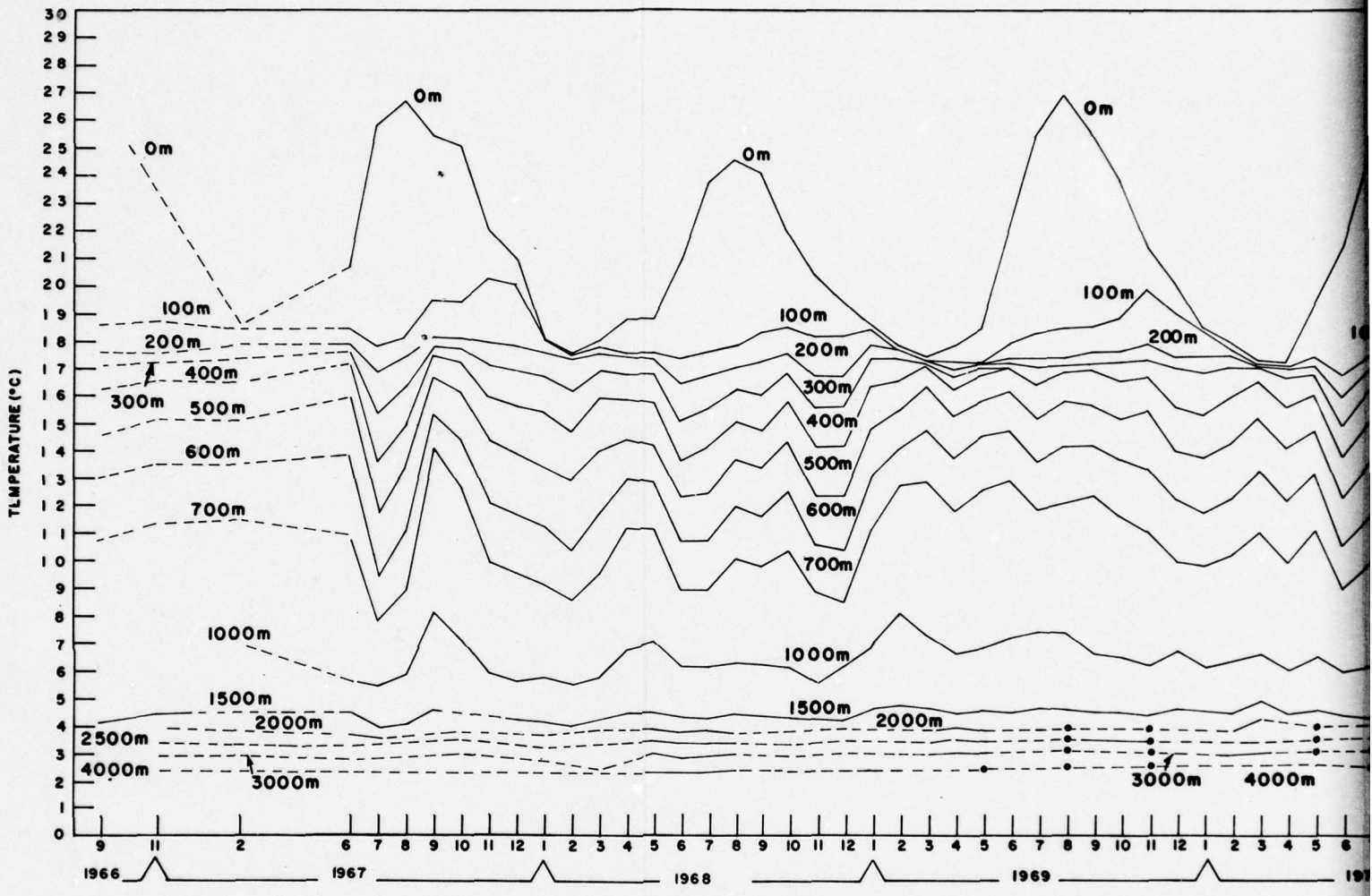
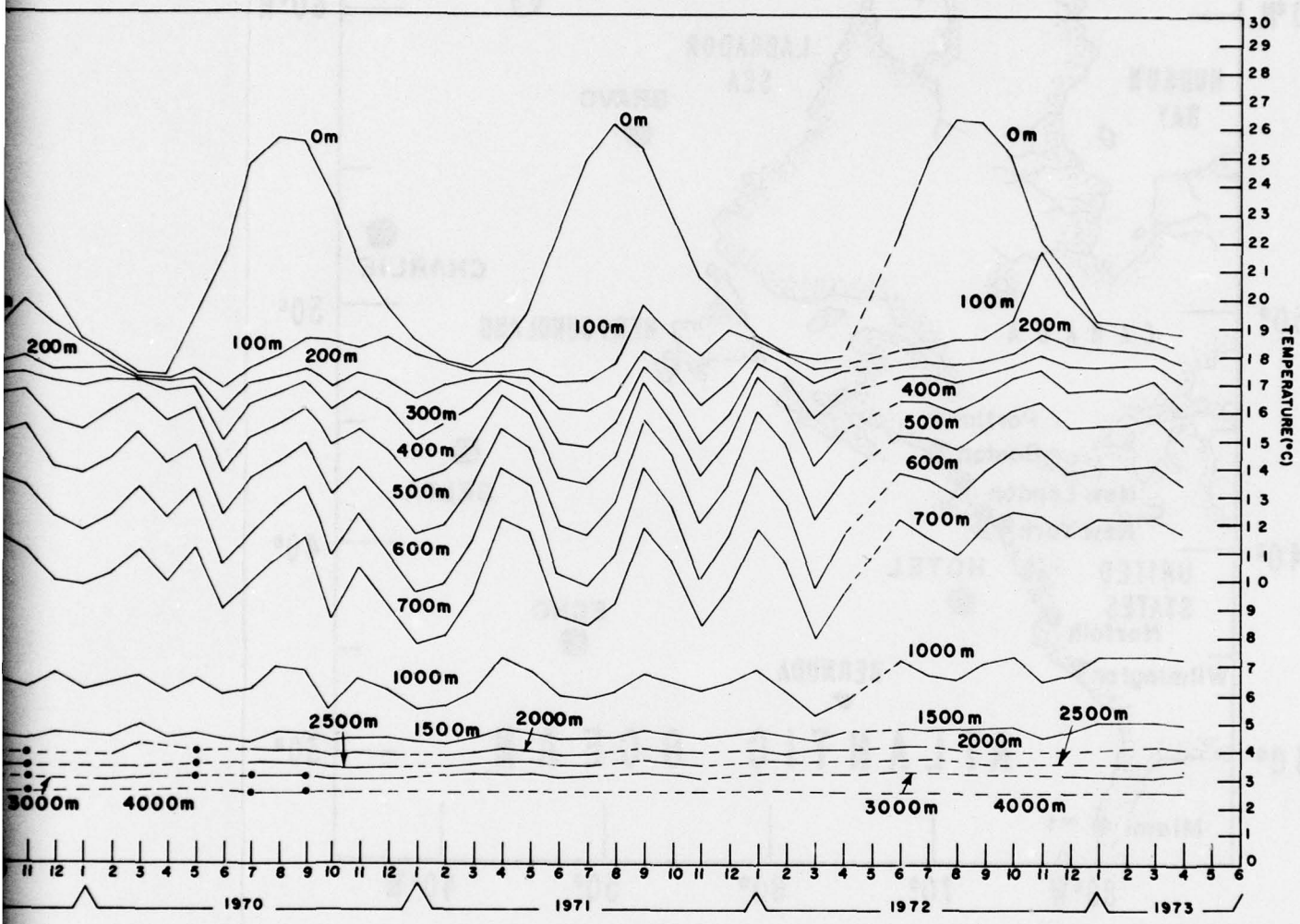


FIGURE 2.—Monthly averages of temperature (°C) versus time at selected depths at Ocean Station ECHO, September 1966–April 1973.


0m
100m
200m
300m
400m
500m
600m
700m
1000m
1500m
2000m
2500m
3000m
4000m
TEMPERATURE(°C)
1970
1971
1972
1973

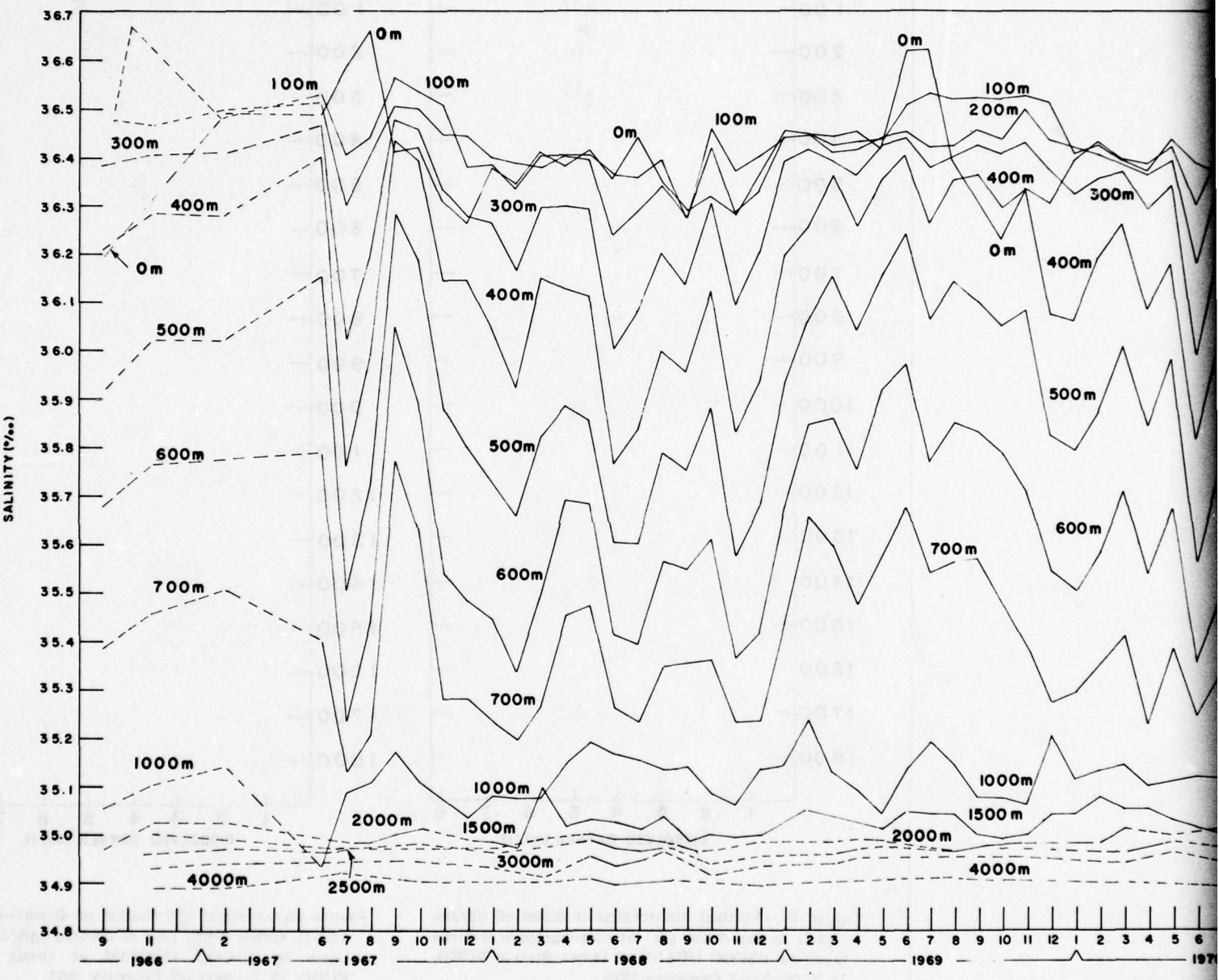
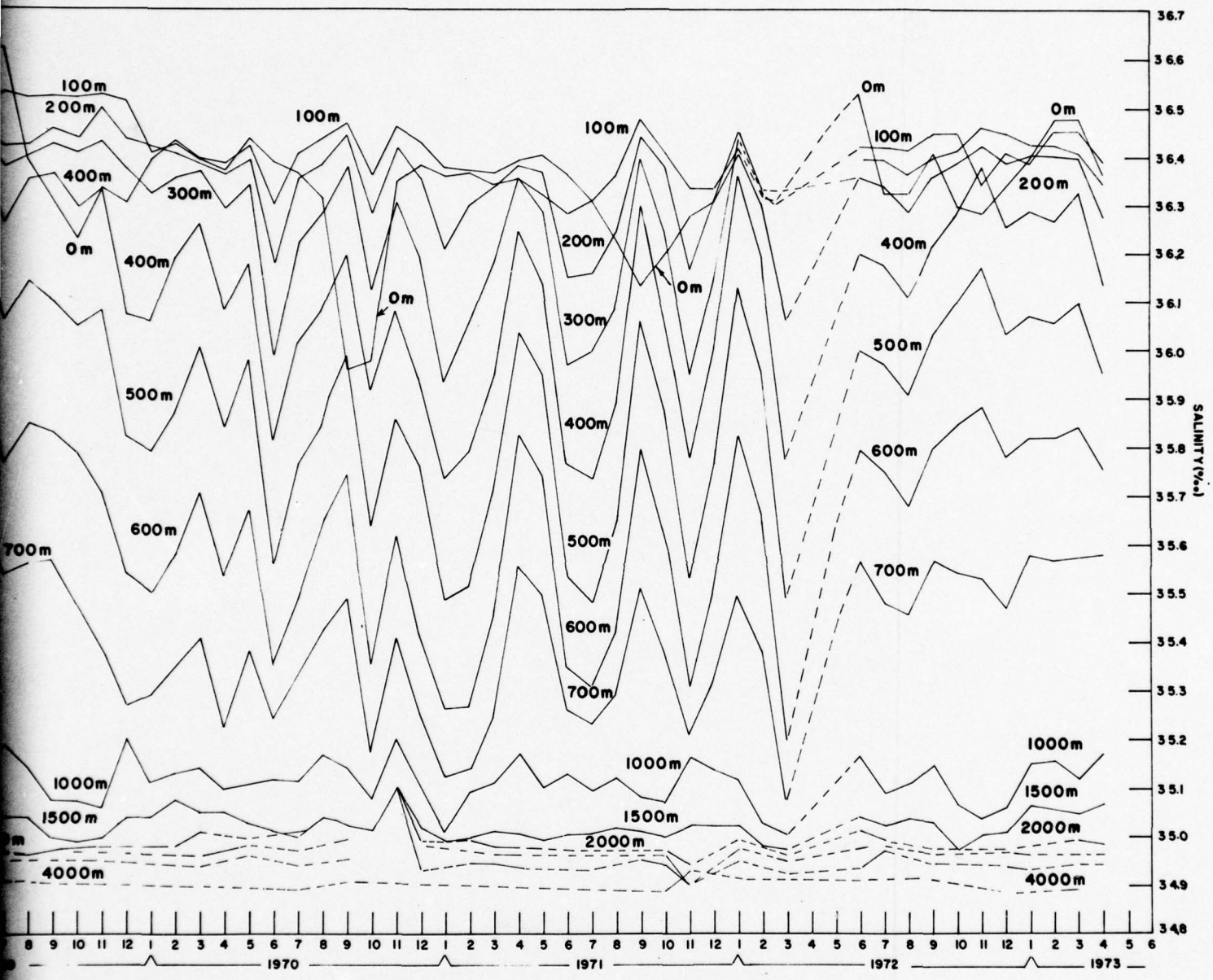


FIGURE 3.—Monthly averages of salinity (‰) versus time at selected depths at Ocean Station ECHO, September 1966–April 1973.


100m
200m
400m
0m
300m
500m
600m
700m
1000m
1500m
4000m
2000m
SALINITY (‰)
36.7
36.6
36.5
36.4
36.3
36.2
36.1
36.0
35.9
35.8
35.7
35.6
35.5
35.4
35.3
35.2
35.1
35.0
34.9
34.8
1970
1971
1972
1973

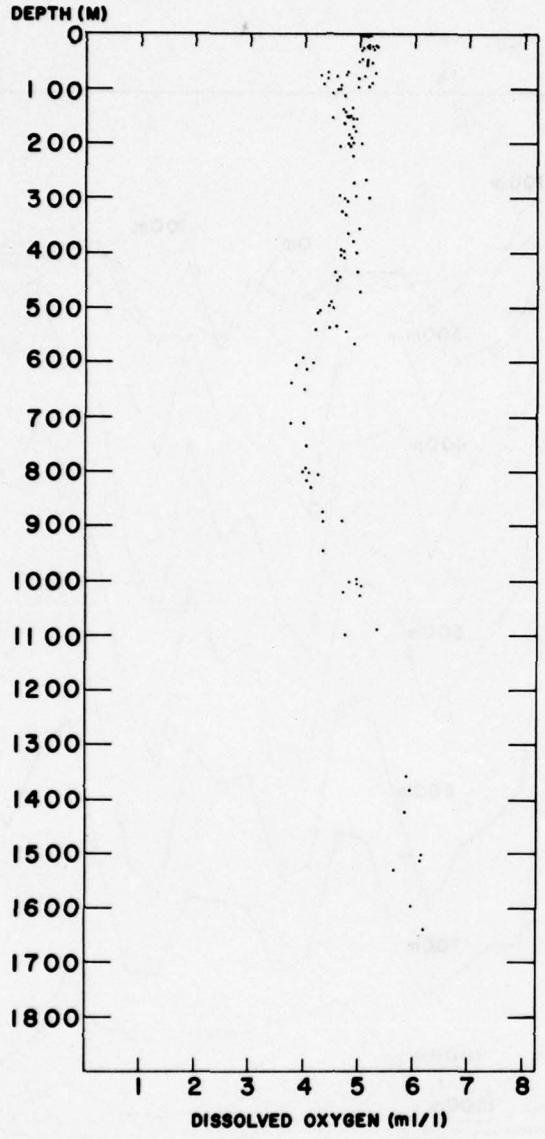


FIGURE 4a.—Vertical distribution of dissolved oxygen (ml/l) versus depth (m) at oceanographic stations taken by USCGC DUANE at Ocean Station ECHO, 14 November–7 December 1970.

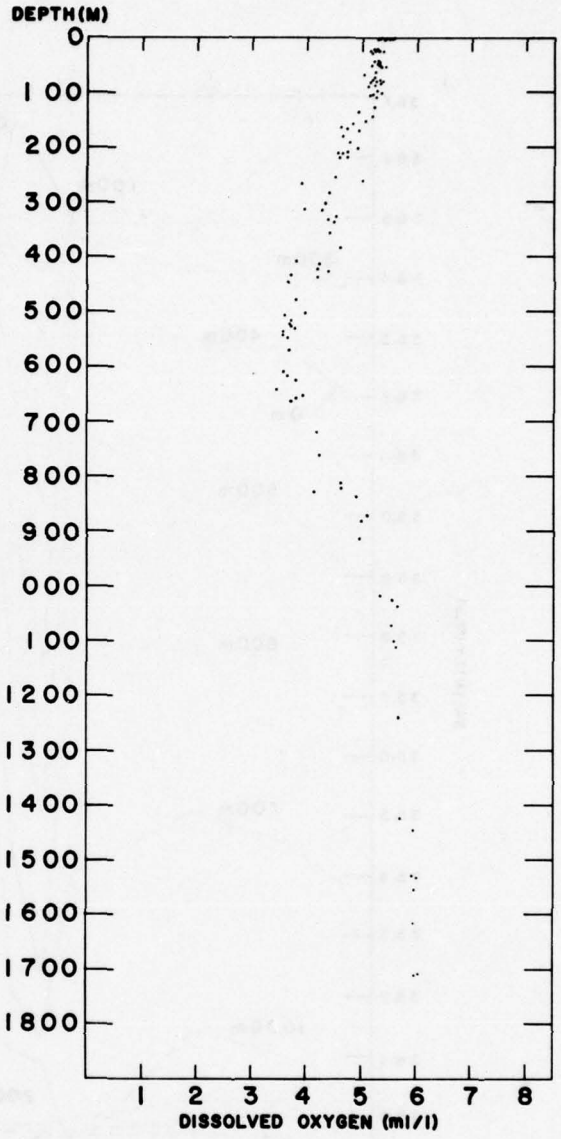


FIGURE 4b.—Vertical distribution of dissolved oxygen (ml/l) versus depth (m) at oceanographic stations taken by USCGC INGHAM at Ocean Station ECHO, 22 January–12 February 1971.

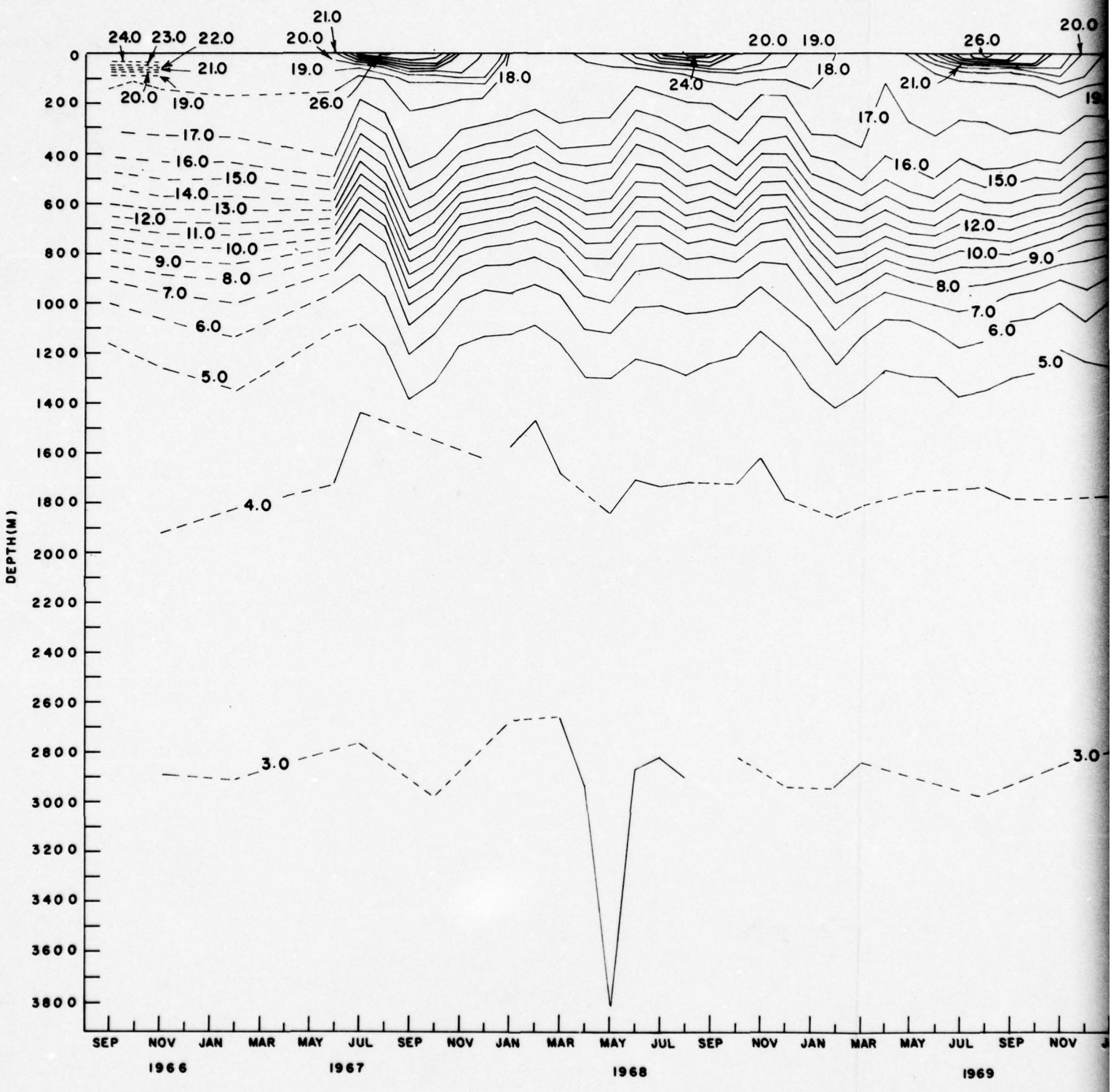
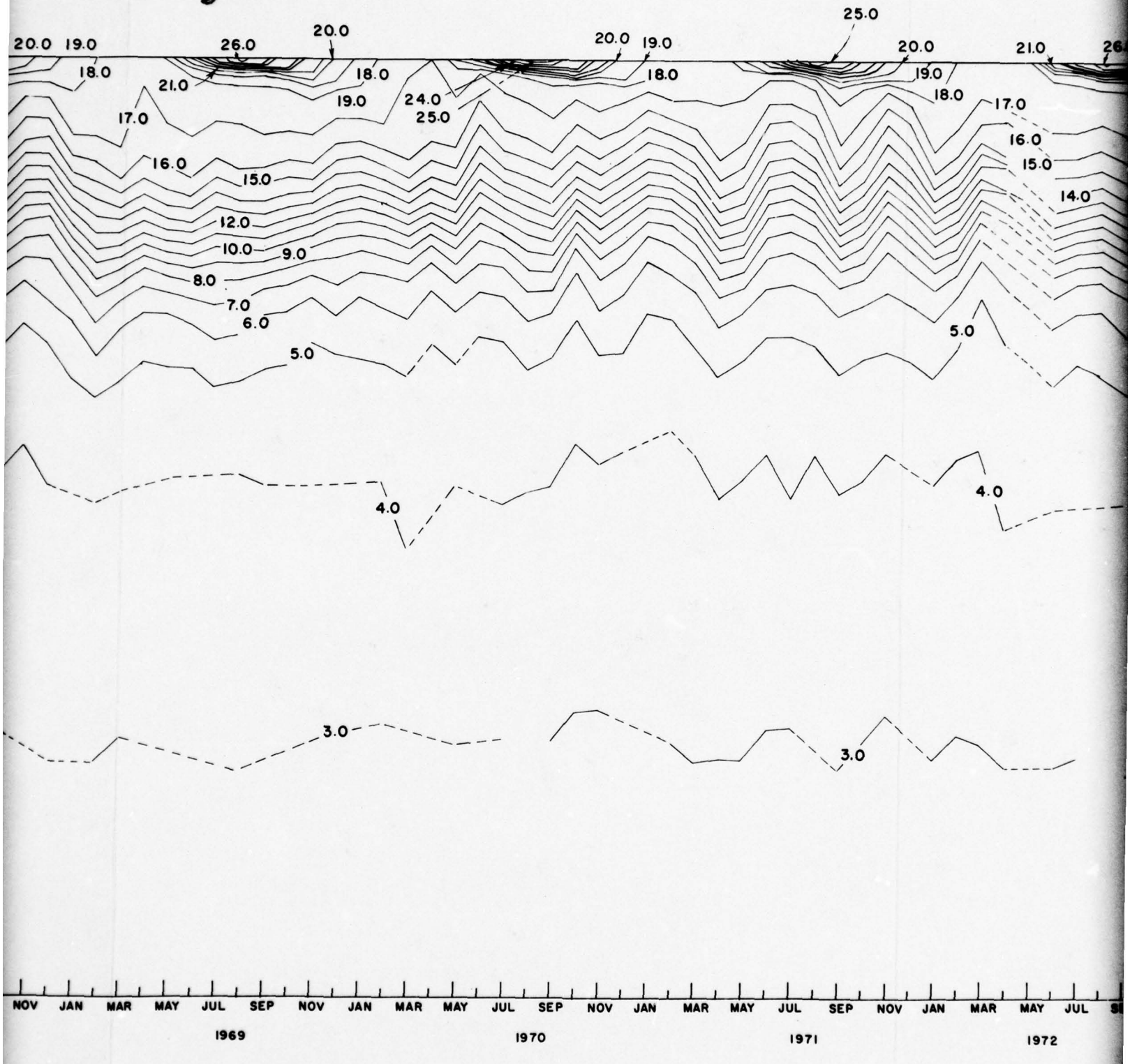
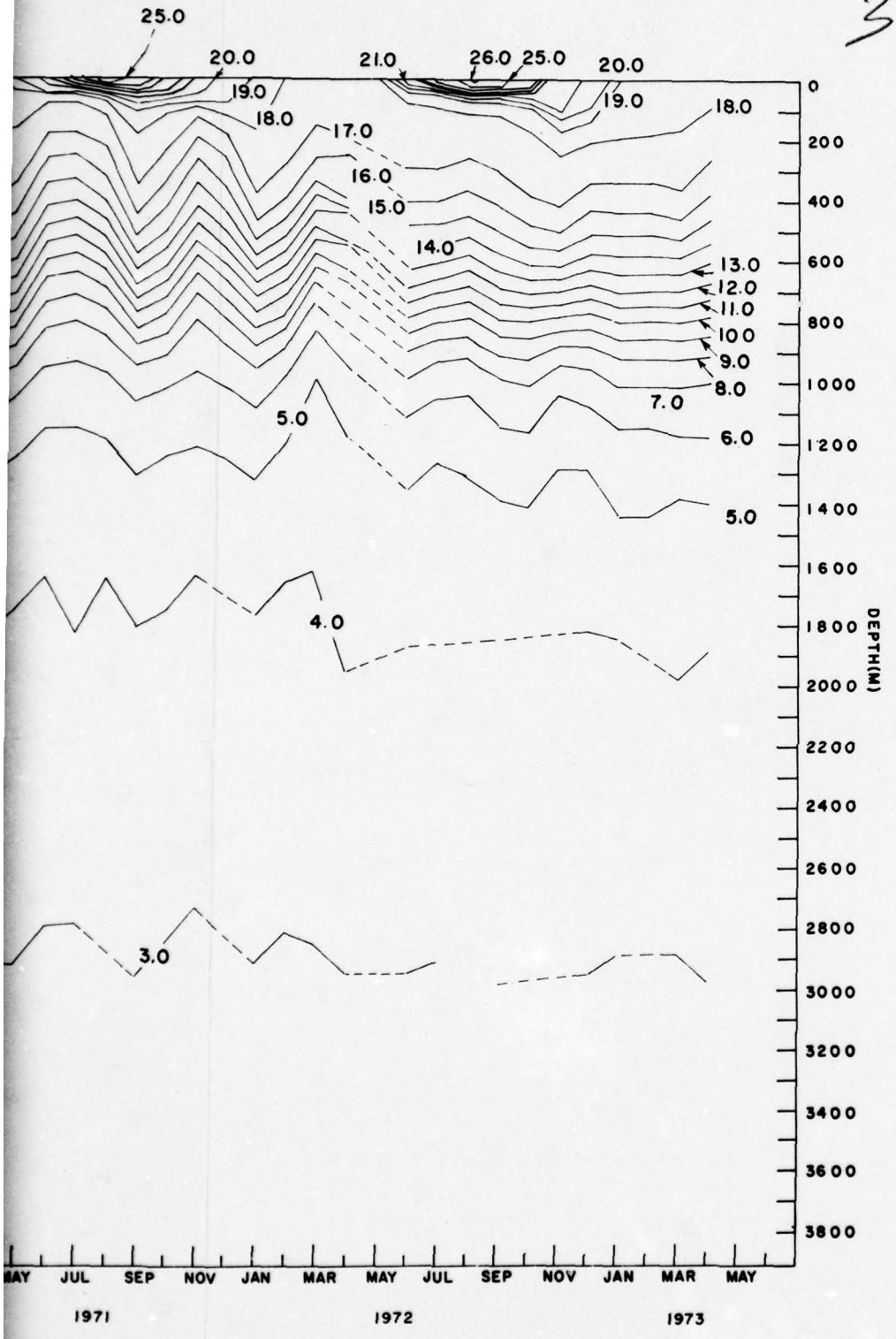


FIGURE 5.—Monthly average depth (m) of selected isotherms (°C) versus time at Ocean Station ECHO, September 1966–April 1978.


20.0
19.0
18.0
17.0
16.0
15.0
14.0
12.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
26.0
21.0
24.0
25.0
NOV
JAN
MAR
MAY
JUL
SEP
1969
1970
1971
1972

ECHO, Sep-


25.0
20.0
21.0
26.0
25.0
20.0
19.0
19.0
18.0
18.0
17.0
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
5.0
4.0
3.0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
3200
3400
3600
3800
DEPTH(M)
MAY
JUL
SEP
NOV
JAN
MAR
MAY
JUL
SEP
NOV
JAN
MAR
MAY
1971
1972
1973

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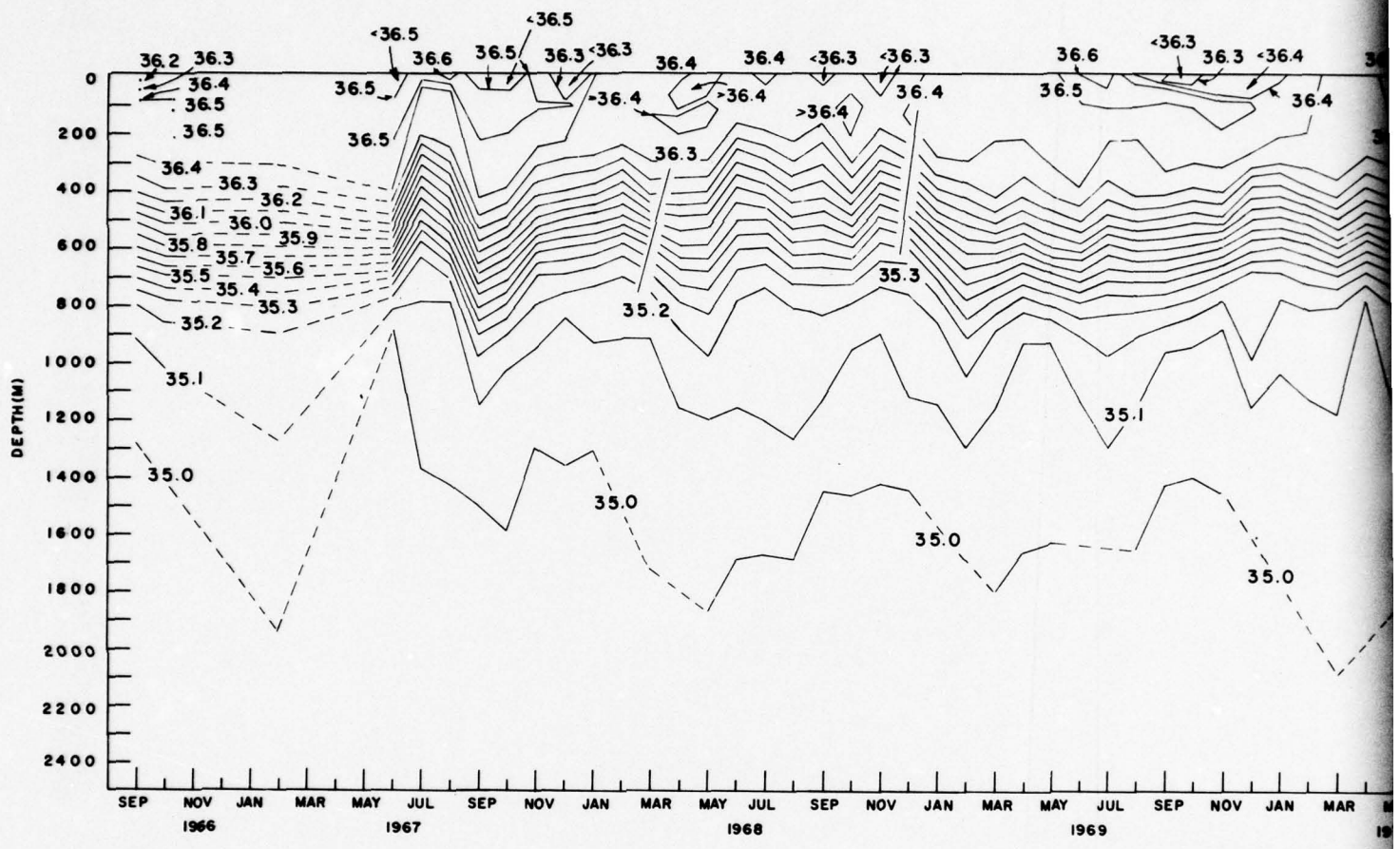
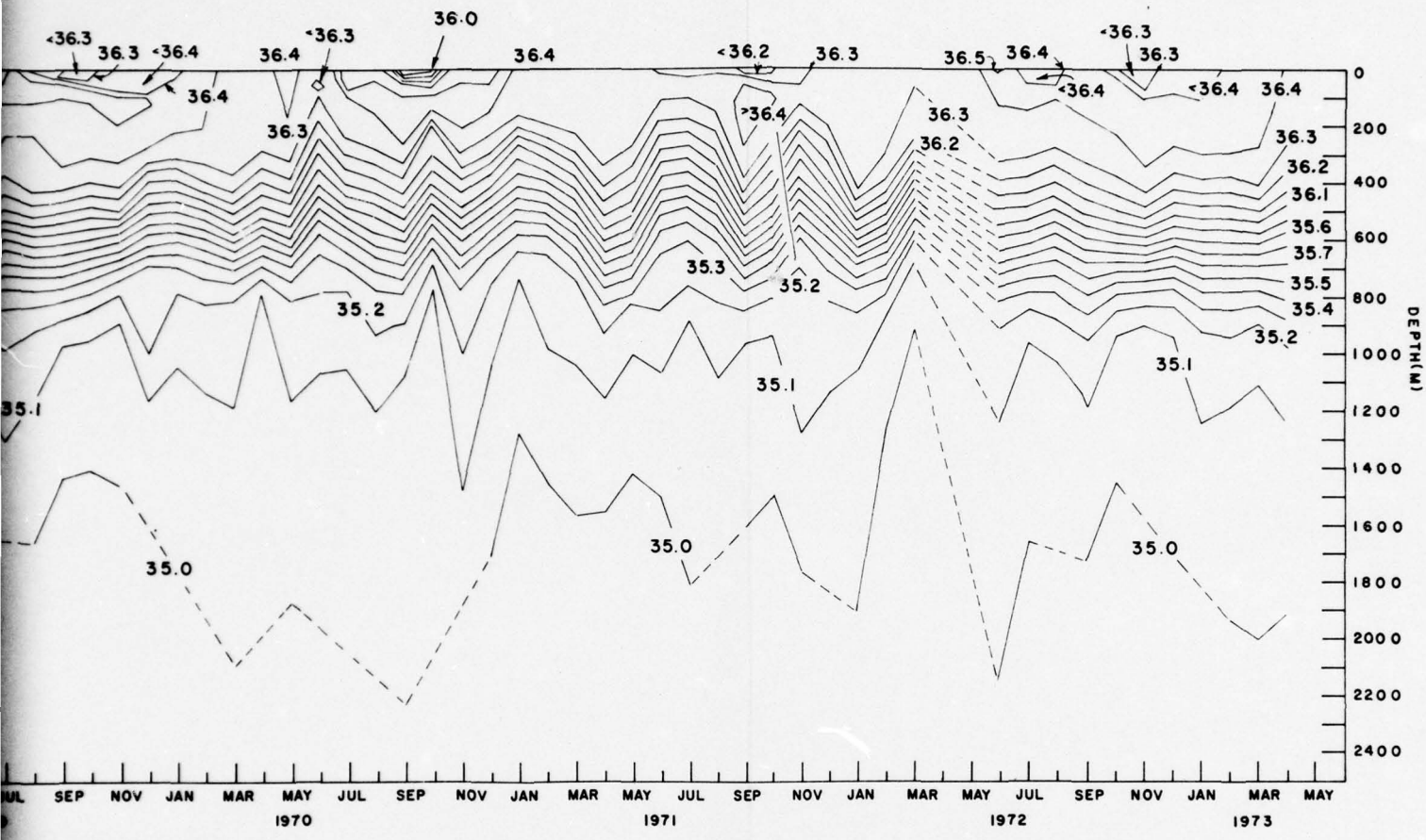


FIGURE 6.—Monthly average depth (m) of selected isohalines (‰) versus time at Ocean Station ECHO, September 1966–April 1973.


<36.3
36.3
<36.4
36.4
36.4
<36.3
36.3
36.0
36.4
<36.2
36.3
36.5
36.4
<36.4
<36.3
36.3
<36.4
<36.4
36.4
>36.4
36.3
36.2
36.3
36.2
36.1
35.6
35.7
35.5
35.4
35.3
35.2
35.2
35.1
35.1
35.2
35.1
35.0
35.0
35.0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
DEPTH(M)
JUL
SEP
NOV
JAN
MAR
MAY
JUL
SEP
NOV
JAN
MAR
MAY
JUL
SEP
NOV
JAN
MAR
MAY
JUL
SEP
NOV
JAN
MAR
MAY
1970
1971
1972
1973

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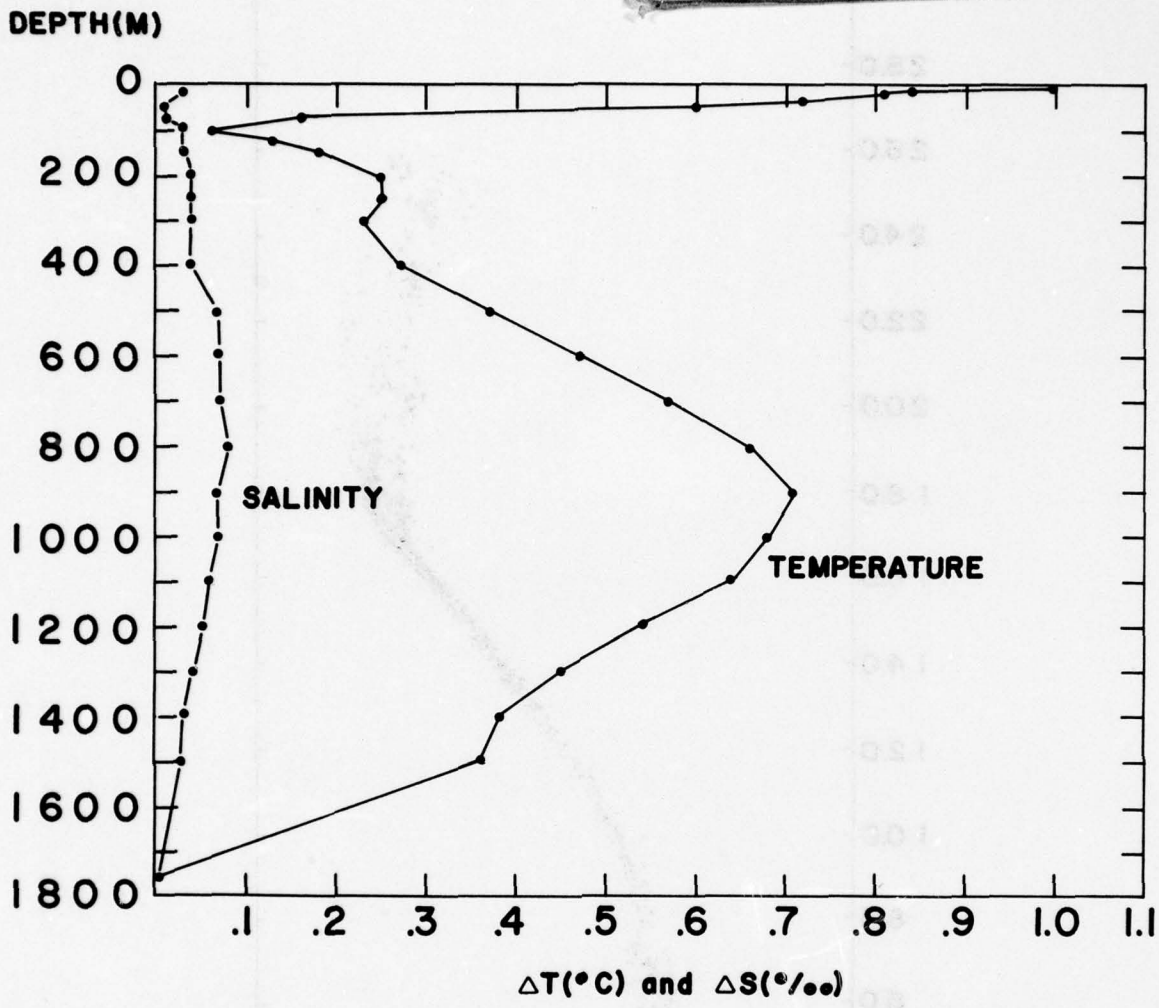


FIGURE 7.—Plot of the 1st standard deviation of the monthly average temperature (°C) and salinity ($^{\circ}/_{oo}$) versus depth (m) at Ocean Station ECHO, July 1971.

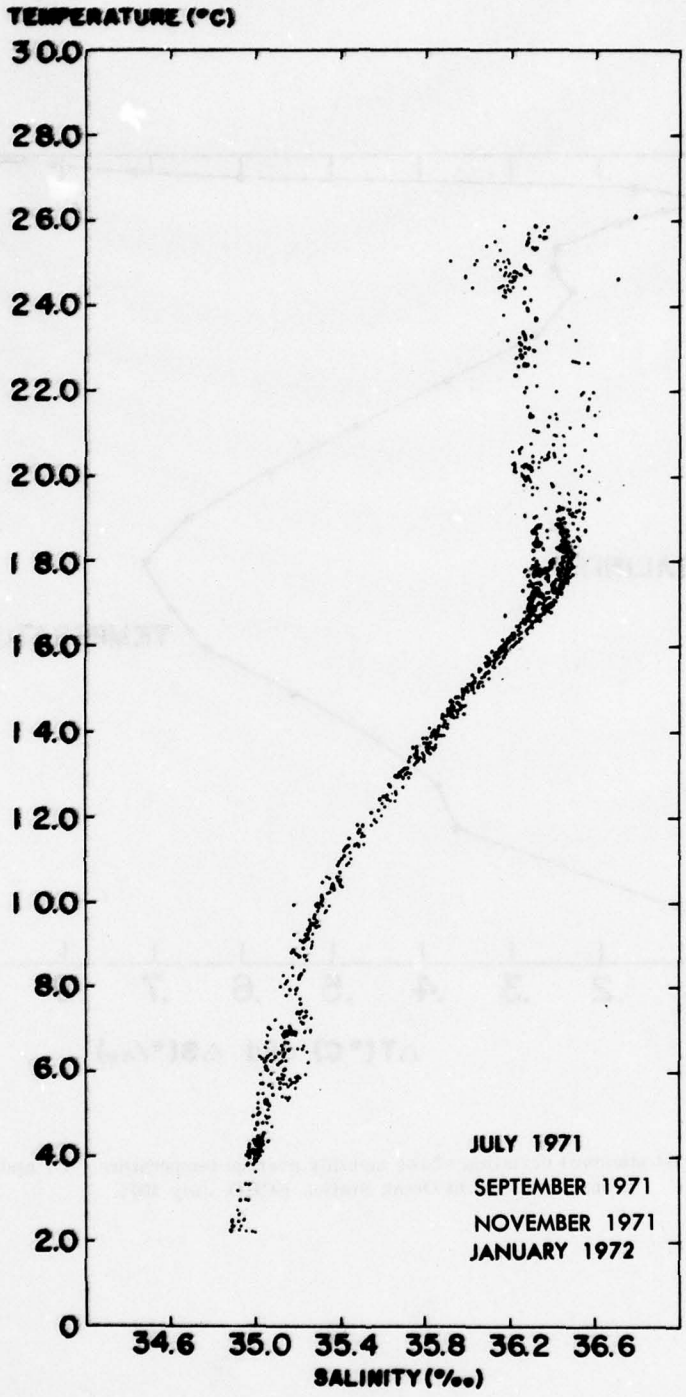


FIGURE 8.—T-S diagram for all observed values at Ocean Station ECHO during July, September, November 1971 and January 1972.

APPENDIX A
OCEANOGRAPHIC DATA LISTINGS

TABLE

I.	USCGC HUMBOLDT, 22 December 1968 - 11 January 1969
II.	USCGC COOK INLET, 12 January 1969 - 6 February 1969
III.	USCGC ANDROSCOGGIN, 9 February 1969 - 2 March 1969
IV.	USCGC SHERMAN, 3 March 1969 - 26 March 1969
V.	USCGC YAKUTAT, 26 March 1969 - 18 April 1969
VI.	USCGC CHASE, 18 April 1969 - 11 May 1969
VII.	USCGC HUMBOLDT, 11 May 1969 - 3 June 1969
VIII.	USCGC ANDROSCOGGIN, 3 June 1969 - 26 June 1969
IX.	USCGC CAMPBELL, 26 June 1969 - 19 July 1969
X.	USCGC COOK INLET, 19 July 1969 - 10 August 1969
XI.	USCGC McCULLOCH, 11 August 1969 - 3 September 1969
XII.	USCGC BOUTWELL, 26 September 1969 - 19 October 1969
XIII.	USCGC ABSECON, 22 October 1969 - 11 November 1969
XIV.	USCGC ANDROSCOGGIN, 12 November 1969 - 3 December 1969
XV.	USCGC ESCANABA, 28 December 1969 - 19 January 1970
XVI.	USCGC GALLATIN, 20 January 1970 - 10 February 1970
XVII.	USCGC MENDOTA, 11 February 1970 - 6 March 1970
XVIII.	USCGC ESCANABA, 7 March 1970 - 24 March 1970
XIX.	USCGC ANDROSCOGGIN, 29 March 1970 - 1 May 1970
XX.	USCGC ESCANABA, 1 May 1970 - 31 May 1970
XXI.	USCGC BOUTWELL, 31 May 1970 - 29 June 1970
XXII.	USCGC DUANE, 30 June 1970 - 22 July 1970
XXIII.	USCGC ABSECON, 22 July 1970 - 14 August 1970
XXIV.	USCGC BIBB, 14 August 1970 - 6 September 1970
XXV.	USCGC ANDROSCOGGIN, 6 September 1970 - 29 September 1970
XXVI.	USCGC CHASE, 29 September 1970 - 22 October 1970
XXVII.	USCGC OWASCO, 22 October 1970 - 14 November 1970
XXVIII.	USCGC DUANE, 14 November 1970 - 7 December 1970
XXIX.	USCGC CHINCOTEAGUE, 7 December 1970 - 30 December 1970
XXX.	USCGC ESCANABA, 30 December 1970 - 22 January 1971
XXXI.	USCGC INGHAM, 22 January 1971 - 12 February 1971
XXXII.	USCGC DALLAS, 12 February 1971 - 7 March 1971
XXXIII.	USCGC MENDOTA, 7 March 1971 - 30 March 1971
XXXIV.	USCGC SEBAGO, 30 March 1971 - 22 April 1971
XXXV.	USCGC DALLAS, 22 April 1971 - 15 May 1971
XXXVI.	USCGC MENDOTA, 15 May 1971 - 7 June 1971
XXXVII.	USCGC BIBB, 7 June 1971 - 30 June 1971
XXXVIII.	USCGC ANDROSCOGGIN, 30 June 1971 - 24 July 1971
XXXIX.	USCGC SPENCER, 24 July 1971 - 17 August 1971

XL.	USCGC SHERMAN, 17 August 1971 - 14 September 1971;
XLI.	USCGC CHINCOTEAGUE, 14 September 1971 - 10 October 1971;
XLII.	USCGC DUANE, 10 October 1971 - 5 November 1971;
XLIII.	USCGC CHINCOTEAGUE, 5 November 1971 - 25 November 1971;
XLIV.	USCGC McCULLOCH, 25 November 1971 - 17 December 1971;
XLV.	USCGC SPENCER, 17 December 1971 - 10 January 1972;
XLVI.	USCGC MORGENTHAU, 10 January 1972 - 5 February 1972;
XLVII.	USCGC CHINCOTEAGUE, 5 February 1972 - 29 February 1972;
XLVIII.	USCGC ESCANABA, 29 February 1972 - 25 March 1972;
XLIX.	USCGC CAMPBELL, 25 March 1972 - 20 April 1972;
L.	USCGC DALLAS, 20 April 1972 - 17 May 1972;
LI.	USCGC SHERMAN, 17 May 1972 - 10 June 1972;
LII.	USCGC BIBB, 10 June 1972 - 4 July 1972;
LIII.	USCGC CHAUTAUQUA, 4 July 1972 - 30 July 1972;
LIV.	USCGC GALLATIN, 30 July 1972 - 24 August 1972;
LV.	USCGC BIBB, 24 August 1972 - 18 September 1972;
LVI.	USCGC WINNEBAGO, 18 September 1972 - 8 October 1972;
LVII.	USCGC ANDROSCOGGIN, 23 November 1972 - 16 December 1972;
LVIII.	USCGC WINNEBAGO, 16 December 1972 - 7 January 1973;
LIX.	USCGC CAMPBELL, 7 January 1973 - 29 January 1973;
LX.	USCGC PONTCHARTRAIN, 29 January 1973 - 23 February 1973;
LXI.	USCGC MENDOTA, 23 February 1973 - 18 March 1973;
LXII.	USCGC GALLATIN, 18 March 1973 - 11 April 1973;
LXIII.	USCGC BIBB, 11 April 1973 - 3 May 1973;
LXIV.	USCGC ESCANABA, 3 May 1973 - 23 May 1973;
LXV.	USCGC BOUTWELL, 23 May 1973 - 12 June 1973;
LXVI.	USCGC INGHAM, 12 June 1973 - 30 June 1973;

OCEAN STATION ECHO DISESTABLISHED

Codes Utilized

A complete description of the codes utilized in the tabulation of oceanographic station data can be found in National Oceanographic Data Center publication M-2, Processing Physical and Chemical Data from Oceanographic Stations. (Rev. August 1964, supplement issued May 1966.)

To facilitate use of the oceanographic station data listing, entry headings which are not self-explanatory are described below.

REFID ..... NODC reference indentity number.
CONSEC ..... Consecutive station number.
BOTDP (B) ..... Uncorrected sounding depth in meters.
SHIP (B) ..... NODC assigned platform identity code.
DATA USE ..... Entry 1 identifies DNP data.
AREA ..... NODC ocean area code.
CLOUD T/A (B) ..... Cloud type according to WMO code 0500 and cloud amount according to WMO code 2700.
Wave observations
DIR ..... Direction from which dominant waves are coming in tens of degrees according to WMO code 0885.
HGT ..... Height of dominant waves according to WMO code 1555.
PER ..... Period of dominant waves according to WMO code 3155.
SEA (B) ..... Sea state according to WMO code 3700.
CL/TR (B) ..... Water color according to forel-Ule code. Transparency in meters as determined by Secchi disc.
WIND DIR (B) ..... Direction from which wind is blowing in tens of degrees according to WMO code 0877.
WIND SPD (B) ..... Wind speed in knots.
WIND FOR (B) ..... Wind force in beaufort code.
WEATHER (B) ..... Weather code—If preceded by letter X is according to WMO code 4501. A numeric two digit entry indicates weather according to WMO code 4677.
INST ..... Instrument used for observation—"Nansen Cast" indicates station consists of Nansen cast data—"STD Recorder" indicates station consists of STD data or a mixture of STD and Nansen cast data.
TRACE DIR (B) ..... "Trace" indicator U (UP), D (DOWN), and A (AVERAGED)—used with STD casts, and specify that data were taken while hoisting or lowering respectively or that the two traces were averaged.
DURATION (B) ..... Time elapsed during raising or lowering of the STD recorder to tenths of hours.
ORIG (B) ..... Originator's reference number in two parts—cruise number or 3 characters (if year of cruise forms part of cruise number years digits may sometimes only be found in "Year" field), and station number.
TEN SQ ..... Ten-degree square—modified Canadian square number.
5 SQUARE ..... Five-degree squares—modified Canadian system.
2 SQUARE ..... Two-degree squares—modified Canadian system.
1 SQUARE ..... One-degree squares—modified Canadian system.
CASTNUM (B) ..... Number of cast on multicast stations (blank when messenger time is given).
TIME (B) ..... Time of release of messenger in hour and tenths for applicable observed levels. If multicast series extends past midnight, 24 hours are added to cast time of next day. Beginning time for STD is given at first obs depth.
LVLTYP ..... Type of record at depth indicated. "OBS"—observed values. For STD recorder = level of data read-out. "STD"—NODC standard interpolated values. "ORG"—Standard or other depths carrying non-NODC interpolated values. "LIT"—Interpolated standard depth values used as obs for computational purposes. Note—When an observed level coincides with a STD depth level, both "STD" and "OBS" lines will appear.
DEPTH ..... Depth of sample (or standard level) in whole meters. Prefix "T" indicates thermometrically determined depth (depth of unprotected thermometers). Subscript "Q" indicates that the value is marked doubtful by the originator. A value designated as implausible by NODC is marked with a "P". Postscript "Z" indicates uncorrected and inaccurate 'Wire-out' depths (high wire angle present).
TEMP (B) ..... Temperature in degrees celsius. For 'Q' and 'P' notation see depth field.
SAL (B) ..... Salinity in parts per thousand. For 'Q' and 'P' notation see depth field.
SIGMA-T (B) ..... Seawater density anomaly to 2 decimal places. When depth, temp, or salinity is doubtful, a 'Q' is suffixed. An asterisk indicates a decrease of 0.02 or more from the previous level.
DYNDPTH ..... Dynamic depth anomaly in dynamic meters to millimeters.
SND VEL (B) ..... Sound velocity in meters per second to decimeters according to Wilson's formula. (A standard depth-pressure term is used for stations not beginning at the surface).
OXYG (B) ..... Oxygen in ML/L to hundredths.

TABLE I. Observed and interpolated oceanographic data for stations taken by USCGC HUMBOLDT at Ocean Station ECHO, 22 December 1968 - 11 January 1969, prepared from NODC listing No. 31 - 1395.

REFID 31 1395	YEAR 1968	BOTDP 03110	AIR TEMP 17.1	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 12	SHIP HU	WET BULB 13.2	25 6 5	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 35 12 N	DAY 22	DATA USE 1	BAROMETR 0982.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 05 W	HOUR 13.2	AREA 05	CLOUD T/A 9/3	CL/TR	WEATHER X1	ORIG E21 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	18.93	36.272	26.03		1520.7							
13.2	OBS	00025	18.93	36.276	26.03		1521.1							
13.2	OBS	00047	18.89	36.258	26.03		1521.3							
13.2	OBS	00073	18.88	36.266	26.04		1521.7							
13.2	OBS	00096	18.90	36.278	26.04		1522.2							
13.2	OBS	00145	17.58	36.394	26.46		1519.3							
13.2	OBS	T00194	17.03	36.346	26.56		1518.4							
13.2	OBS	00289	15.22	36.030	26.73		1514.1							
13.2	OBS	00384	14.20	35.870	26.83		1512.2							
13.2	OBS	00481	12.78	35.640	26.95		1508.8							
13.2	OBS	T00576	11.08	35.413	27.10		1504.2							
13.2	OBS	00776	07.74	35.142	27.44		1496.9							
13.2	OBS	T00976	06.25	35.166	27.67		1492.4							
13.2	OBS	T01501	04.14	34.974	27.77		1492.3							

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REFID 31 1395	YEAR 1968	BOTDP 04207	AIR TEMP 15.3	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 12	SHIP HU	WET BULB 14.7	32 9 3	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 05 N	DAY 24	DATA USE 1	BAROMETR 1004.7	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 53 W	HOUR 16.2	AREA 05	CLOUD T/A 6/7	CL/TR	WEATHER X1	ORIG E21 002	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.2	OBS	00000	19.45	36.392	25.99		1522.3							
16.2	OBS	00019	19.45	36.397	25.99		1522.6							
16.2	OBS	00040	19.42	36.401	26.00		1522.8							
16.2	OBS	00063	19.43	36.405	26.00		1523.3							
16.2	OBS	00085	19.45	36.401	25.99		1523.7							
16.2	OBS	00126	18.29	36.492	26.36		1521.2							
16.2	OBS	T00169	17.91	36.444	26.42		1520.7							
16.2	OBS	00255	17.55	36.439	26.50		1521.1							
16.2	OBS	T00343	16.42	36.238	26.62		1518.9							
16.2	OBS	00418	14.92	35.971	26.76		1515.2							
16.2	OBS	00500	13.05	35.623	26.88		1510.0							
16.2	OBS	00672	09.77	35.255	27.21		1500.9							
16.2	OBS	T00867	07.02	35.131	27.54		1493.6							
16.2	OBS	T01428	04.32	34.958	27.74		1491.8							

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REFID 31 1395	YEAR 1968	BOTDP 02644	AIR TEMP 18.8	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 12	SHIP HU	WET BULB 17.5	01 2 5	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 15 N	DAY 25	DATA USE 1	BAROMETR 1009.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 42 W	HOUR 13.8	AREA 05	CLOUD T/A 6/7	CL/TR	WEATHER X1	ORIG E21 003	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	19.46	36.397	25.99		1522.3							
13.8	OBS	00026	19.45	36.399	25.99		1522.7							
13.8	OBS	00049	19.42	36.398	26.00		1523.0							
13.8	OBS	00073	19.43	36.400	26.00		1523.4							
13.8	OBS	00099	19.44	36.400	25.99		1523.9							
13.8	OBS	00146	18.03	36.456	26.40		1520.7							
13.8	OBS	T00196	17.58	36.432	26.49		1520.2							
13.8	OBS	00289	16.82	36.314	26.58		1519.3							
13.8	OBS	T00380	15.69	36.120	26.70		1517.2							
13.8	OBS	00471	14.31	35.879	26.82		1514.0							
13.8	OBS	T00555	12.71	35.645	26.97		1509.8							
13.8	OBS	00728	09.28	35.221	27.26		1500.0							
13.8	OBS	T00896	07.05	35.178	27.57		1494.2							
13.8	OBS	T01369	04.71	35.063	27.78		1492.6							

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TABLE I.—Continued

REFID 31 1395 YEAR 1968 BOTDP 04206 AIR TEMP 16.6 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 12 SHIP HU WET BULB 12.7 28 8 3 WIND-SPD 25 TRACE DIR 5 SQUARE 4
LAT 35 15 N DAY 27 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 48 W HOUR 11.8 AREA 05 CLOUD T/A 9/3 CL/TR WEATHER X1 ORIG E21 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	18.64	36.316	26.14		1519.9							
11.8	OBS	00023	18.64	36.316	26.14		1520.3							
11.8	OBS	00048	18.63	36.318	26.14		1520.7							
11.8	OBS	00068	18.63	36.318	26.14		1521.0							
11.8	OBS	00091	18.57	36.433	26.24		1521.3							
11.8	OBS	00134	17.91	36.485	26.45		1520.2							
11.8	OBS	T00177	17.78	36.477	26.47		1520.5							
11.8	OBS	00254	17.48	36.438	26.52		1520.9							
11.8	OBS	T00326	16.76	36.315	26.60		1519.8							
11.8	OBS	00401	15.38	36.053	26.72		1516.5							
11.8	OBS	T00471	14.28	35.876	26.82		1513.9							
11.8	OBS	00624		35.505										
11.8	OBS	00785	07.69	35.150	27.46		1494.8							
11.8	OBS	T01210	05.25	35.111	27.75		1492.2							

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REFID 31 1395 YEAR 1968 BOTDP 04178 AIR TEMP 20.0 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 12 SHIP HU WET BULB 19.4 31 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 28 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 19.4 AREA 05 CLOUD T/A 0/4 CL/TR WEATHER X1 ORIG E21 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.4	OBS	00000	18.70	36.309	26.12		1520.1							
19.4	OBS	00023	18.69	36.308	26.12		1520.4							
19.4	OBS	00048	18.66	36.309	26.13		1520.7							
19.4	OBS	00071	18.65	36.313	26.13		1521.1							
19.4	OBS	00095	18.09	36.443	26.37		1520.0							
19.4	OBS	00142	17.63	36.432	26.48		1519.5							
19.4	OBS	T00190	17.35	36.405	26.52		1519.4							
19.4	OBS	00282	16.62	36.394	26.69		1518.7							
19.4	OBS	T00369	15.35	36.038	26.71		1515.8							
19.4	OBS	00460	13.88	35.787	26.84		1512.3							
19.4	OBS	T00546	12.47	35.684	27.05		1508.9							
19.4	OBS	00718	09.07	35.184	27.27		1499.0							
19.4	OBS	T00893	06.62	35.090	27.56		1492.4							
19.4	OBS	T01384	04.50	35.021	27.77		1491.9							

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REFID 31 1395 YEAR 1968 BOTDP 04390 AIR TEMP 19.1 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 12 SHIP HU WET BULB 18.8 25 2 7 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 29 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 13.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E21 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	18.86	36.388	26.13		1520.6							
13.7	OBS	00023	18.84	36.370	26.13		1520.9							
13.7	OBS	00046	18.79	36.371	26.14		1521.1							
13.7	OBS	00069		36.371										
13.7	OBS	00091	18.80	36.368	26.14		1521.9							
13.7	OBS	00137	17.96	36.474	26.43		1520.4							
13.7	OBS	T00183	17.68	36.459	26.49		1520.3							
13.7	OBS	00272	17.42	36.424	26.52		1521.0							
13.7	OBS	T00359	16.56	36.266	26.61		1519.6							
13.7	OBS	00451	15.21	36.013	26.72		1516.7							
13.7	OBS	T00540	13.60	35.764	26.88		1512.7							
13.7	OBS	00723	10.08	35.299	27.19		1502.9							
13.7	OBS	T00915	06.83	35.101	27.54		1493.6							
13.7	OBS	T01438	04.57	35.052	27.79		1493.2							
15.3	OBS	T02144	03.67	34.970	27.82		1501.2							
15.3	OBS	T02690	03.22	34.940	27.84		1508.6							
15.3	OBS	03239	02.76	34.925	27.87		1516.2							
15.3	OBS	T03784	02.36	34.893	27.88		1524.0							
15.3	OBS	04076	02.26	34.888	27.88		1528.7							
15.3	OBS	T04176	02.25	34.887	27.88		1530.4							

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TABLE I.—Continued

REFID 31 1395	YEAR 1968	BOTDP 04663	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 21	INST NANSEN CAST	TEN SQ 1206
CONSEC 0007	MONTH 12	SHIP HU	WET BULB 19.4	25 2 2	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 35 08 N	DAY 30	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 37 W	HOUR 20.8	AREA 05	CLOUD T/A 6/7	CL/TR	WEATHER X1	ORIG E21 007	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.8	OBS	00000	18.60	36.282	26.12		1519.7							
20.8	OBS	00024	18.63	36.284	26.11		1520.2							
20.8	OBS	00045	18.58	36.284	26.13		1520.4							
20.8	OBS	00068	18.54	36.284	26.14		1520.7							
20.8	OBS	00088	18.54	36.281	26.13		1521.0							
20.8	OBS	00132	18.09	36.480	26.40		1520.7							
20.8	OBS	T00175	17.79	36.455	26.46		1520.5							
20.8	OBS	00253	16.91	36.311	26.56		1519.0							
20.8	OBS	T00328	15.84	36.125	26.67		1516.8							
20.8	OBS	00408	15.00	35.983	26.75		1515.3							
20.8	OBS	T00489	13.74	35.774	26.86		1512.3							
20.8	OBS	00641		35.453										
20.8	OBS	T00793	08.33	35.135	27.35		1497.4							
20.8	OBS	01197	05.22	35.145	27.79		1491.9							

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REFID 31 1395	YEAR 1968	BOTDP 01870	AIR TEMP 18.8	DIR HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1206
CONSEC 0008	MONTH 12	SHIP HU	WET BULB 18.3	28 3 2	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 35 15 N	DAY 31	DATA USE 1	BAROMETR 1017.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 11.9	AREA 05	CLOUD T/A 4/7	CL/TR	WEATHER X1	ORIG E21 008	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.54	36.271	26.13		1519.6							
11.9	OBS	00031	18.56	36.270	26.12		1520.1							
11.9	OBS	00061	18.51	36.277	26.14		1520.5							
11.9	OBS	00091	18.53	36.278	26.13		1521.0							
11.9	OBS	00122	17.59	36.363	26.43		1518.9							
11.9	OBS	00182	17.07	36.370	26.57		1518.4							
11.9	OBS	T00242	16.60	36.252	26.59		1517.8							
11.9	OBS	00364	15.17	36.008	26.73		1515.1							
11.9	OBS	T00485	13.48	35.721	26.87		1511.3							
11.9	OBS	00608	11.19											
11.9	OBS	T00727	08.77	35.140	27.28		1498.0							
11.9	OBS	00973	06.37	35.176	27.66		1492.8							
11.9	OBS	T01220	04.96	35.071	27.76		1491.1							
11.9	OBS	T01823	03.80	34.981	27.81		1496.3							

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REFID 31 1395	YEAR 1969	BOTDP 03699	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 36	INST NANSEN CAST	TEN SQ 1206
CONSEC 0009	MONTH 01	SHIP HU	WET BULB 17.7	35 5 2	WIND-SPD 18	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 01	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 12 W	HOUR 18.9	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG E21 009	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.9	OBS	00000	18.68	36.359	26.16		1520.1							
18.9	OBS	00027	18.67	36.358	26.16		1520.5							
18.9	OBS	00054	18.59	36.353	26.18		1520.7							
18.9	OBS	00081	18.56	36.357	26.19		1521.1							
18.9	OBS	00107	18.60	36.353	26.17		1521.6							
18.9	OBS	00162	17.90	36.459	26.43		1520.6							
18.9	OBS	00216	17.46	36.398	26.49		1520.1							
18.9	OBS	00323	15.96	36.147	26.66		1517.1							
18.9	OBS	T00431	14.37	35.873	26.80		1513.5							
18.9	OBS	00548	12.29	35.565	26.99		1508.2							
18.9	OBS	T00663	10.30	35.329	27.18		1502.8							
18.9	OBS	00889	06.90	35.144	27.57		1493.5							
18.9	OBS	T01115	05.21	35.083	27.74		1490.4							
18.9	OBS	T01678	03.91	34.971	27.79		1494.3							

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REFID 31 1395	YEAR 1969	BOTDP 01781	AIR TEMP 15.0	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1206
CONSEC 0010	MONTH 01	SHIP HU	WET BULB 14.4	33 2 2	WIND-SPD 05	TRACE DIR	5 SQUARE 4
LAT 35 08 N	DAY 02	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 08 W	HOUR 13.0	AREA 05	CLOUD T/A 7/7	CL/TR	WEATHER X1	ORIG E21 010	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	18.75	36.395	26.17		1520.3							
13.0	OBS	00025	18.74	36.396	26.17		1520.7							
13.0	OBS	00051	18.74	36.397	26.17		1521.1							
13.0	OBS	00076	18.72	36.395	26.18		1521.5							
13.0	OBS	00102	18.34	36.477	26.33		1520.9							
13.0	OBS	00151	17.81	36.469	26.46		1520.2							
13.0	OBS	T00204	17.63	36.448	26.49		1520.5							
13.0	OBS	00303	16.69	36.280	26.59		1519.1							
13.0	OBS	T00406	15.00	35.992	26.75		1515.3							
13.0	OBS	00505	13.41	35.720	26.88		1511.4							
13.0	OBS	T00605	11.93	35.533	27.03		1507.8							
13.0	OBS	00806	08.16	35.158	27.39		1497.0							
13.0	OBS	T01001	05.79	35.048	27.64		1490.8							
13.0	OBS	T01507	04.15	34.976	27.77		1492.5							

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TABLE I.—Continued

REFID 31 1395 YEAR 1969 BOTDP 03720 AIR TEMP 18.3 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 01 SHIP HU WET BULB 17.2 25 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 20 N DAY 03 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 11.7 AREA 05 CLOUD T/A 4/5 CL/TR WEATHER X1 ORIG E21 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	18.86	36.399	26.14		1520.6							
11.7	OBS	00027	18.89	36.401	26.14		1521.1							
11.7	OBS	00052	18.82	36.400	26.15		1521.4							
11.7	OBS	00078	18.82	36.395	26.15		1521.8							
11.7	OBS	00104	18.82	36.399	26.15		1522.2							
11.7	OBS	00156	17.94	36.472	26.43		1520.6							
11.7	OBS	T00207	17.72	36.448	26.47		1520.8							
11.7	OBS	00308	17.48	36.430	26.51		1521.7							
11.7	OBS	T00409	16.43	36.237	26.62		1520.0							
11.7	OBS	00512	14.50	35.894	26.79		1515.3							
11.7	OBS	T00615	12.54	35.614	26.98		1510.2							
11.7	OBS	00826	08.48	35.178	27.36		1498.6							
11.7	OBS	T01038	06.04	35.094	27.64		1492.5							
11.7	OBS	T01574	04.20	34.996	27.78		1493.8							

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REFID 31 1395 YEAR 1969 BOTDP 02541 AIR TEMP 23.3 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 01 SHIP HU WET BULB 22.2 31 2 6 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 04 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 14.0 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E21 012 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.0	OBS	00000	19.14	36.476	26.13		1521.5							
14.0	OBS	00025	19.12	36.471	26.13		1521.8							
14.0	OBS	00051	19.07	36.462	26.14		1522.1							
14.0	OBS	00076	18.85	36.435	26.17		1521.9							
14.0	OBS	00102	18.59	36.446	26.25		1521.6							
14.0	OBS	00152	17.91	36.472	26.44		1520.5							
14.0	OBS	00203	17.71	36.454	26.47		1520.7							
14.0	OBS	00305	17.29	36.390	26.53		1521.1							
14.0	OBS	T00405	16.15	36.187	26.64		1519.1							
14.0	OBS	00508	14.43	35.880	26.79		1515.0							
14.0	OBS	T00607	12.39	35.586	26.99		1509.5							
14.0	OBS	00812	08.40	35.180	27.37		1498.0							
14.0	OBS	T01020	06.03	35.095	27.64		1492.2							
14.0	OBS	T01533	04.23	34.986	27.77		1493.3							

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REFID 31 1395 YEAR 1969 BOTDP 03200 AIR TEMP 20.0 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 01 SHIP HU WET BULB 18.3 28 2 4 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 12 N DAY 05 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 13.7 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG E21 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P, NO2	NO3	SIO3	PH
13.7	OBS	00004	18.87	36.431	26.17		1520.8						
13.7	OBS	00030	18.86	36.427	26.16		1521.1						
13.7	OBS	00056	18.77	36.414	26.18		1521.3						
13.7	OBS	00081	18.72	36.393	26.17		1521.5						
13.7	OBS	00107	18.36	36.462	26.32		1521.0						
13.7	OBS	00158	17.92	36.449	26.42		1520.6						
13.7	OBS	00209	17.65	36.443	26.48		1520.6						
13.7	OBS	00313	17.22	36.365	26.53		1521.0						
13.7	OBS	T00415	15.98	36.156	26.66		1518.7						
13.7	OBS	00518	14.26	35.849	26.80		1516.6						
13.7	OBS	T00620	12.50	35.603	26.98		1510.1						
13.7	OBS	00828	07.81	35.126	27.42		1496.0						
13.7	OBS	T01041	06.13	35.101	27.64		1492.9						
13.7	OBS	T01553	04.35	35.015	27.78		1494.1						

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REFID 31 1395 YEAR 1969 BOTDP 03109 AIR TEMP 18.3 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 01 SHIP HU WET BULB 17.7 24 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 17 N DAY 06 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 2/8 CL/TR WEATHER X2 ORIG E21 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	19.14	36.474	26.13		1521.5							
12.1	OBS	00025	19.14	36.473	26.13		1521.9							
12.1	OBS	00050	19.12	36.466	26.13		1522.2							
12.1	OBS	00075	18.84	36.462	26.20		1521.9							
12.1	OBS	00099	18.45	36.461	26.29		1521.2							
12.1	OBS	00149	17.99	36.492	26.43		1520.7							
12.1	OBS	T00198	17.70	36.462	26.48		1520.6							
12.1	OBS	00295	17.28	36.310	26.47		1520.8							
12.1	OBS	T00388	16.17	36.185	26.64		1518.8							
12.1	OBS	00485	14.76	35.938	26.77		1515.7							
12.1	OBS	T00579	13.42	35.722	26.88		1512.7							
12.1	OBS	00769	09.17	35.209	27.27		1500.2							
12.1	OBS	T00950	06.61	35.079	27.56		1493.3							
12.1	OBS	T01455	04.40	34.980	27.75		1492.6							

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TABLE I.—Continued

REFID 31 1395 YEAR 1969 BOTDP 03475 AIR TEMP 20.0 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 01 SHIP HU WET BULB 20.0 21 3 4 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 15 N DAY 07 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 14.3 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 ORIG E21 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.3	OBS	00000	19.03	36.458	26.14		1521.2							
14.3	OBS	00028	19.05	36.461	26.14		1521.7							
14.3	OBS	00055	19.01	36.462	26.15		1522.0							
14.3	OBS	00083	19.02	36.464	26.15		1522.5							
14.3	OBS	00110	18.54	36.462	26.27		1521.6							
14.3	OBS	00166	17.83	36.464	26.45		1520.5							
14.3	OBS	T00222	17.60	36.428	26.48		1520.7							
14.3	OBS	00331	16.93	36.303	26.55		1520.3							
14.3	OBS	T00438	15.42	36.026	26.69		1517.2							
14.3	OBS	00552	13.85	35.627	26.72		1513.5							
14.3	OBS	T00658	12.03	35.552	27.03		1509.1							
14.3	OBS	00883	07.71	35.111	27.42		1496.5							
14.3	OBS	T01109	05.76	35.086	27.67		1492.5							
14.3	OBS	T01671	04.28	35.000	27.78		1495.8							

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REFID 31 1395 YEAR 1969 BOTDP 04389 AIR TEMP 19.4 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 01 SHIP HU WET BULB 18.9 21 3 4 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 15 N DAY 08 DATA USE 1 BAROMETR 1008.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 14.1 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E21 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.1	OBS	00000	18.97	36.430	26.14		1521.0							
14.1	OBS	00022	18.97	36.426	26.14		1521.3							
14.1	OBS	00045	18.95	36.429	26.14		1521.6							
14.1	OBS	00069	18.97	36.430	26.14		1522.1							
14.1	OBS	00091	18.95	36.431	26.14		1522.4							
14.1	OBS	00136	18.36	36.472	26.33		1521.5							
14.1	OBS	T00182	17.85	36.456	26.44		1520.8							
14.1	OBS	00271	17.40	36.399	26.51		1520.9							
14.1	OBS	T00359	16.58	36.263	26.60		1519.7							
14.1	OBS	00446	15.08	35.986	26.73		1516.2							
14.1	OBS	T00537	13.91	35.810	26.85		1513.7							
14.1	OBS	00708		35.442										
14.1	OBS	T00878	08.12	35.137	27.38		1498.0							
14.1	OBS	T01340	05.13	35.078	27.74		1493.8							

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REFID 31 1395 YEAR 1969 BOTDP 04572 AIR TEMP 17.2 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 01 SHIP HU WET BULB 16.1 26 5 3 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 34 00 N DAY 10 DATA USE 1 BAROMETR 1013.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 049 08 W HOUR 21.4 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E21 017 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.4	OBS	00000	18.71	36.423	26.20		1520.2							
21.4	OBS	00023	18.72	36.422	26.20		1520.6							
21.4	OBS	00050	18.49	36.364	26.21		1520.4							
21.4	OBS	00076	18.45	36.357	26.22		1520.7							
21.4	OBS	00098	18.49	36.361	26.21		1521.1							
21.4	OBS	00146	17.85	36.473	26.45		1520.2							
21.4	OBS	T00193	17.59	36.445	26.50		1520.2							
21.4	OBS	00282	17.28	36.396	26.53		1520.7							
21.4	OBS	T00368	16.26	36.202	26.63		1518.8							
21.4	OBS	00453	15.04	35.987	26.74		1516.2							
21.4	OBS	T00530	13.56	35.740	26.87		1512.3							
21.4	OBS	00689		35.347										
21.4	OBS	T00844	07.45	35.108	27.46		1494.8							
21.4	OBS	T01268	04.84	35.034	27.74		1491.4							

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EFID 31 1395 YEAR 1969 BOTDP 04663 AIR TEMP 18.9 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
ONSEC 0018 MONTH 01 SHIP HU WET BULB 17.8 29 5 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2
AT 33 00 N DAY 11 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 2 SQUARE 28
ONG 048 00 W HOUR 11.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E21 018 1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	18.49	36.387	26.23		1519.6							
11.5	OBS	00027	18.49	36.387	26.23		1520.0							
11.5	OBS	00053	18.47	36.385	26.23		1520.4							
11.5	OBS	00080	18.42	36.384	26.24		1520.7							
11.5	OBS	00106	18.37	36.380	26.25		1520.9							
11.5	OBS	00160	18.13	36.482	26.39		1521.3							
11.5	OBS	T00215	17.74	36.443	26.46		1521.0							
11.5	OBS	00319	17.04	36.326	26.54		1520.5							
11.5	OBS	T00426	15.81	36.120	26.67		1518.3							
11.5	OBS	00533	14.00	35.811	26.83		1513.9							
11.5	OBS	T00640	11.98	35.538	27.03		1508.6							
11.5	OBS	00858	08.90	35.303	27.39		1500.8							
11.5	OBS	T01076	06.95	35.234	27.63		1496.9							
11.5	OBS	T01626	04.38	35.036	27.80		1495.5							

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TABLE II.--Observed and interpolated oceanographic data for stations taken by USCGC COOK INLET at Ocean Station ECHO, 12 January 1969 - 6 February 1969, prepared from NODC listing No. 31 - 8080.

REFID 31 8080	YEAR 1969	BOTDP 04206	AIR TEMP 20.3	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 01	SHIP CO	WET BULB 18.5	26 4 0	WIND-SPD 16	TRACE DIR D	5 SQUARE 2
LAT 34 02 N	DAY 12	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 46
LONG 047 43 W	HOUR 17.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E22 001	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.7	OBS	00000	18.84	36.458	26.19		1520.6							
	OBS	00010	18.79	36.458	26.21		1520.7							
	OBS	00020	18.72	36.448	26.22		1520.6							
	OBS	00030	18.69	36.440	26.22		1520.7							
	OBS	00050	18.59	36.436	26.24		1520.7							
	OBS	00075	18.57	36.437	26.25		1521.1							
	OBS	00100	18.57	36.440	26.25		1521.5							
	OBS	00125	18.56	36.454	26.26		1521.9							
	OBS	00150	18.30	36.538	26.39		1521.7							
	OBS	00200	17.91	36.518	26.47		1521.3							
	OBS	00250	17.66	36.488	26.51		1521.4							
	OBS	00300	17.36	36.438	26.55		1521.3							
	OBS	00354	16.95	36.358	26.59		1520.8							
	OBS	00400	16.03	36.188	26.67		1518.6							
	OBS	00500	14.68	35.918	26.77		1515.7							
	OBS	00600	13.03	35.728	26.97		1511.7							
	OBS	00700	11.45	35.513	27.11		1507.7							
	OBS	00800	09.79	35.373	27.30		1503.3							
	OBS	00900	08.37	35.268	27.45		1499.5							
	OBS	01000	07.71	35.303	27.58		1498.7							
	OBS	01100	06.72	35.228	27.66		1496.4							
	OBS	01176	05.99	35.156	27.70		1494.7							
	OBS	01200	05.99	35.168	27.71		1495.1							
	OBS	01300	05.33	35.113	27.75		1494.0							
	OBS	01400	05.00	35.083	27.76		1494.3							
	OBS	01500	04.60	35.038	27.77		1494.3							

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REFID 31 8080	YEAR 1969	BOTDP 04755	AIR TEMP 19.9	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 01	SHIP CO	WET BULB 18.1	26 3 3	WIND-SPD 17	TRACE DIR D	5 SQUARE 2
LAT 34 48 N	DAY 13	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 56 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E22 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	18.73	36.421	26.19		1520.3							
	OBS	00010	18.73	36.421	26.19		1520.4							
	OBS	00020	18.75	36.421	26.19		1520.7							
	OBS	00030	18.85	36.422	26.16		1521.1							
	OBS	00050	18.73	36.404	26.18		1521.1							
	OBS	00065	18.55	36.392	26.22		1520.8							
	OBS	00075	18.57	36.389	26.21		1521.0							
	OBS	00100	18.47	36.414	26.25		1521.2							
	OBS	00125	18.00	36.457	26.40		1520.3							
	OBS	00150	17.73	36.447	26.46		1519.9							
	OBS	00200	17.53	36.434	26.50		1520.1							
	OBS	00250	17.15	36.360	26.54		1519.7							
	OBS	00300	16.80	36.294	26.57		1519.4							
	OBS	00400	15.80	36.099	26.66		1517.8							
	OBS	00500	13.75	35.754	26.84		1512.5							
	OBS	00600	12.50	35.592	26.97		1509.8							
	OBS	00700	11.00	35.354	27.07		1505.9							
	OBS	00800	09.05	35.184	27.27		1500.3							
	OBS	00900	07.65	35.109	27.43		1496.5							
	OBS	01000	06.58	35.064	27.55		1494.0							
	OBS	01100	05.95	35.072	27.64		1493.1							
	OBS	01200	05.55	35.064	27.68		1493.2							
	OBS	01300	05.11	35.029	27.71		1493.0							
	OBS	01400	04.43	34.939	27.71		1491.8							
	OBS	01436	04.72	34.994	27.72		1493.7							
	OBS	01495	04.62	34.994	27.74		1494.2							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTDP 03932 AIR TEMP 19.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 01 SHIP CD WET BULB 17.9 21 3 2 WIND-SPD 24 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 13 DATA USE 1 BAROMETR 1015.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 54 W HOUR 05.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 003 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.5	OBS	00000	18.37	36.347	26.23		1519.2							
	OBS	00010	18.32	36.336	26.23		1519.2							
	OBS	00020	18.31	36.333	26.23		1519.3							
	OBS	00030	18.32	36.337	26.23		1519.5							
	OBS	00050	18.37	36.409	26.28		1520.1							
	OBS	00075	17.82	36.459	26.45		1518.9							
	OBS	00100	17.57	36.442	26.50		1518.6							
	OBS	00125	17.46	36.434	26.52		1518.7							
	OBS	00150	17.42	36.429	26.53		1519.0							
	OBS	00200	17.17	36.380	26.55		1519.0							
	OBS	00250	16.92	36.335	26.57		1519.0							
	OBS	00300	16.48	36.247	26.61		1518.4							
	OBS	00400	15.35	36.050	26.72		1516.3							
	OBS	00500	14.04	35.834	26.84		1513.5							
	OBS	00600	12.53	35.616	26.98		1509.9							
	OBS	00700	10.15	35.306	27.18		1502.8							
	OBS	00780	09.19	35.248	27.30		1500.6							
	OBS	00800	08.77	35.218	27.35		1499.3							
	OBS	00900	07.43	35.136	27.48		1495.7							
	OBS	01000	07.33	35.121	27.49		1497.0							
	OBS	01100	05.86	35.134	27.70		1492.9							
	OBS	01200	05.43	35.117	27.74		1492.8							
	OBS	01300	05.07	35.108	27.77		1493.0							
	OBS	01400	04.74	35.070	27.78		1493.2							
	OBS	01490	04.44	35.053	27.80		1493.5							

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REFID 31 8080 YEAR 1969 BOTDP 01161 AIR TEMP 19.3 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 01 SHIP CC WET BULB 16.1 24 4 2 WIND-SPD 17 TRACE DIR D 5 SQUARE 4
LAT 35 11 N DAY 14 DATA USE 1 BAROMETR 1010.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 10 W HOUR 17.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.0	OBS	00000	19.03	36.498	26.18		1521.2							
	OBS	00010	19.02	36.504	26.18		1521.4							
	OBS	00020	19.02	36.504	26.18		1521.5							
	OBS	00030	19.00	36.504	26.19		1521.6							
	OBS	00050	18.99	36.505	26.19		1521.9							
	OBS	00075	18.98	36.505	26.19		1522.3							
	OBS	00100	18.74	36.498	26.25		1522.0							
	OBS	00125	18.04	36.514	26.44		1520.5							
	OBS	00150	17.82	36.493	26.48		1520.2							
	OBS	00200	17.61	36.474	26.51		1520.4							
	OBS	00250	17.47	36.460	26.54		1520.8							
	OBS	00300	17.19	36.410	26.57		1520.7							
	OBS	00400	16.46	36.226	26.60		1520.0							
	OBS	00500	14.74	35.939	26.77		1515.9							
	OBS	00600	12.76	35.658	26.97		1510.7							
	OBS	00700	10.93	35.399	27.12		1505.7							
	OBS	00800	08.44	35.110	27.31		1497.9							
	OBS	00900	07.19	35.128	27.51		1494.8							
	OBS	01000	06.49	35.105	27.59		1493.7							
	OBS	01054	06.08	35.128	27.66		1493.0							

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REFID 31 8080 YEAR 1969 BOTDP 04023 AIR TEMP DIR HGT PER WIND-DIR INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 01 SHIP CD WET BULB WIND-SPD TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 14 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 44 W HOUR 23.4 AREA 05 CLOUD T/A CL/TR WEATHER ORIG E22 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.4	OBS	00000	18.93	36.470	26.18		1520.9							
	OBS	00010	18.93	36.471	26.18		1521.1							
	OBS	00020	18.93	36.471	26.18		1521.2							
	OBS	00030	18.93	36.472	26.18		1521.4							
	OBS	00050	18.93	36.473	26.18		1521.7							
	OBS	00075	18.64	36.394	26.20		1521.2							
	OBS	00100	18.64	36.399	26.20		1521.6							
	OBS	00125	18.61	36.400	26.21		1522.0							
	OBS	00150	18.51	36.429	26.26		1522.1							
	OBS	00163	18.22	36.520	26.40		1521.6							
	OBS	00200	17.89	36.472	26.44		1521.2							
	OBS	00250	17.64	36.463	26.50		1521.3							
	OBS	00300	17.43	36.428	26.52		1521.5							
	OBS	00400	16.64	36.275	26.60		1520.6							
	OBS	00500	15.54	35.990	26.63		1518.5							
	OBS	00600	13.72	35.806	26.85		1514.1							
	OBS	00700	11.86	35.532	27.05		1509.2							
	OBS	00800	09.91	35.348	27.26		1503.7							
	OBS	00885	08.84	35.202	27.32		1500.9							
	OBS	00900	08.28	35.284	27.47		1499.2							
	OBS	00946	07.60	35.136	27.46		1497.1							
	OBS	01000	06.99	35.150	27.56		1495.7							
	OBS	01100	06.09	35.122	27.66		1493.8							
	OBS	01200	05.18	35.036	27.70		1491.6							
	OBS	01300	05.33	35.120	27.75		1494.0							
	OBS	01400	04.75	35.068	27.78		1493.3							
	OBS	01500	04.46	35.040	27.79		1493.7							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTDP 04114 AIR TEMP 17.3 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 01 SHIP CO WET BULB 14.3 23 4 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 15 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 57 W HOUR 05.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.5	OBS	00000	18.87	36.446	26.18		1520.7							
	OBS	00010	18.87	36.447	26.18		1520.9							
	OBS	00020	18.87	36.447	26.18		1521.0							
	OBS	00030	18.87	36.448	26.18		1521.2							
	OBS	00050	18.88	36.449	26.18		1521.6							
	OBS	00075	18.88	36.451	26.18		1522.0							
	OBS	00100	18.86	36.462	26.19		1522.3							
	OBS	00125	18.12	36.474	26.39		1520.7							
	OBS	00150	17.86	36.463	26.44		1520.3							
	OBS	00200	17.67	36.447	26.48		1520.5							
	OBS	00250	17.56	36.438	26.50		1521.0							
	OBS	00300	17.32	36.384	26.52		1521.1							
	OBS	00400	16.42	36.210	26.60		1519.8							
	OBS	00500	14.67	35.897	26.75		1515.6							
	OBS	00600	13.15	35.701	26.92		1512.1							
	OBS	00700	11.37	35.389	27.03		1507.3							
	OBS	00800	09.31	35.245	27.28		1501.3							
	OBS	00900	07.97	35.161	27.42		1497.8							
	OBS	01000	06.84	35.107	27.55		1495.1							
	OBS	01100	06.08	35.131	27.67		1493.7							
	OBS	01200	05.56	35.106	27.71		1493.3							
	OBS	01300	04.92	35.031	27.73		1492.3							
	OBS	01330	04.81	35.007	27.72		1492.3							
	OBS	01340	05.04	35.076	27.75		1493.5							
	OBS	01370	04.74	35.030	27.75		1492.7							
	OBS	01400	04.79	35.062	27.77		1493.4							
	OBS	01500	04.52	35.018	27.77		1493.9							

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REFID 31 8080 YEAR 1969 BOTDP 03749 AIR TEMP 18.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0007 MONTH 01 SHIP CO WET BULB 17.0 22 4 3 WIND-SPD 22 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 15 DATA USE 1 BAROMETR 1005.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.00	36.497	26.18		1521.1							
	OBS	00010	19.00	36.495	26.18		1521.3							
	OBS	00020	19.00	36.498	26.18		1521.5							
	OBS	00030	19.00	36.498	26.18		1521.6							
	OBS	00050	19.00	36.494	26.18		1521.9							
	OBS	00075	18.91	36.469	26.18		1522.1							
	OBS	00100	18.69	36.507	26.27		1521.9							
	OBS	00125	18.19	36.508	26.40		1520.9							
	OBS	00150	18.04	36.502	26.43		1520.9							
	OBS	00200	17.72	36.477	26.49		1520.7							
	OBS	00250	17.60	36.469	26.51		1521.2							
	OBS	00300	17.45	36.437	26.52		1521.5							
	OBS	00400	16.81	36.307	26.58		1521.1							
	OBS	00500	15.10	36.002	26.74		1517.1							
	OBS	00600	13.00	35.687	26.94		1511.6							
	OBS	00700	11.04	35.392	27.09		1506.1							
	OBS	00800	09.21	35.267	27.31		1501.0							
	OBS	00900	07.85	35.177	27.46		1497.4							
	OBS	01000	06.76	35.136	27.58		1494.8							
	OBS	01100	06.04	35.141	27.68		1493.6							
	OBS	01200	05.62	35.126	27.72		1493.6							
	OBS	01300	05.22	35.111	27.76		1493.6							
	OBS	01345	05.09	35.084	27.75		1493.8							
	OBS	01400	04.90	35.081	27.77		1493.9							
	OBS	01500	04.59	35.051	27.78		1494.3							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTDP 03500 AIR TEMP DIR HGT PER WIND-DIR INST STD RECORDER TEN SQ 1206
CONSEC 0008 MONTH 01 SHIP CO WET BULB WIND-SPD TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 16 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 47 W HOUR 00.7 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E22 008 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.4	OBS	00000	18.95	36.470	26.17		1521.0							
	OBS	00010	18.94	36.470	26.18		1521.1							
	OBS	00020	18.94	36.471	26.18		1521.3							
	OBS	00030	18.94	36.471	26.18		1521.4							
	OBS	00050	18.94	36.472	26.18		1521.8							
	OBS	00075	18.95	36.473	26.18		1522.2							
	OBS	00100	18.95	36.474	26.18		1522.6							
	OBS	00125	18.95	36.475	26.18		1523.0							
	OBS	00150	18.72	36.424	26.20		1522.7							
	OBS	00200	17.81	36.416	26.42		1520.9							
	OBS	00250	17.60	36.455	26.50		1521.2							
	OBS	00300	17.45	36.442	26.53		1521.5							
	OBS	00400	16.23	36.164	26.61		1519.2							
	OBS	00500	15.00	35.986	26.75		1516.8							
	OBS	00600	13.35	35.737	26.91		1512.8							
	OBS	00700	11.91	35.539	27.04		1509.3							
	OBS	00800	09.96	35.328	27.23		1503.8							
	OBS	00900	08.60	35.314	27.45		1500.4							
	OBS	01000	07.60	35.231	27.53		1498.2							
	OBS	01100	06.47	35.152	27.63		1495.3							
	OBS	01200	05.76	35.120	27.70		1494.1							
	OBS	01235	05.44	35.110	27.73		1493.4							
	OBS	01245	05.47	35.114	27.73		1493.7							
	OBS	01280	05.18	35.072	27.73		1493.0							
	OBS	01300	05.26	35.094	27.74		1493.7							
	OBS	01400	04.74	35.043	27.76		1493.2							
	OBS	01500	04.38	34.997	27.76		1493.3							

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REFID 31 8080 YEAR 1969 BOTDP 04297 AIR TEMP 16.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0009 MONTH 01 SHIP CO WET BULB 13.1 23 5 2 WIND-SPD 27 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 52 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E22 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	18.79	36.435	26.19		1520.5							
	OBS	00010	18.80	36.436	26.19		1520.7							
	OBS	00020	18.81	36.438	26.19		1520.9							
	OBS	00030	18.81	36.439	26.19		1521.0							
	OBS	00050	18.81	36.441	26.19		1521.3							
	OBS	00075	18.79	36.440	26.19		1521.7							
	OBS	00100	18.66	36.411	26.20		1521.7							
	OBS	00125	18.66	36.413	26.21		1522.1							
	OBS	00150	18.41	36.403	26.26		1521.8							
	OBS	00180	17.98	36.456	26.41		1521.1							
	OBS	00200	17.66	36.378	26.43		1520.4							
	OBS	00225	17.75	36.449	26.46		1521.2							
	OBS	00250	17.45	36.381	26.48		1520.6							
	OBS	00300	17.30	36.379	26.52		1521.0							
	OBS	00400	16.05	36.143	26.63		1518.6							
	OBS	00500	14.76	35.952	26.78		1516.0							
	OBS	00600	12.95	35.673	26.94		1511.4							
	OBS	00700	11.41	35.504	27.11		1507.6							
	OBS	00800	09.76	35.286	27.24		1503.0							
	OBS	00900	08.76	35.313	27.42		1501.0							
	OBS	00990	07.39	35.228	27.56		1497.2							
	OBS	01000	07.53	35.279	27.58		1498.0							
	OBS	01100	06.20	35.132	27.65		1494.2							
	OBS	01180	05.46	35.071	27.70		1492.5							
	OBS	01200	05.51	35.092	27.71		1493.1							
	OBS	01222	05.35	35.076	27.71		1492.8							
	OBS	01300	05.34	35.098	27.73		1494.1							
	OBS	01400	04.93	35.066	27.76		1494.0							
	OBS	01500	04.44	35.011	27.77		1493.6							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTDP 04389 AIR TEMP 13.5 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206
CONSEC 0010 MONTH 01 SHIP CO WET BULB 11.0 30 7 3 WIND-SPD 30 TRACE DIR D 5 SQUARE 4
LAT 35 06 N DAY 17 DATA USE 1 BAROMETR 0994.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X8 ORIG E22 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	18.82	36.484	26.22		1520.6							
	OBS	00010	18.81	36.487	26.22		1520.7							
	OBS	00020	18.82	36.487	26.22		1520.9							
	OBS	00030	18.83	36.489	26.22		1521.1							
	OBS	00050	18.83	36.489	26.22		1521.5							
	OBS	00075	18.84	36.489	26.22		1521.9							
	OBS	00100	18.85	36.490	26.22		1522.3							
	OBS	00125	18.46	36.499	26.32		1521.7							
	OBS	00150	18.06	36.502	26.42		1520.9							
	OBS	00200	17.75	36.481	26.48		1520.8							
	OBS	00250	17.60	36.469	26.51		1521.2							
	OBS	00300	17.44	36.439	26.53		1521.5							
	OBS	00400	16.68	36.289	26.60		1520.7							
	OBS	00500	14.98	35.969	26.74		1516.7							
	OBS	00600	13.37	35.736	26.90		1512.9							
	OBS	00700	11.36	35.459	27.08		1507.3							
	OBS	00800	08.92	35.189	27.30		1499.8							
	OBS	00900	07.47	35.114	27.46		1495.9							
	OBS	01000	06.47	35.129	27.61		1493.6							
	OBS	01100	05.90	35.135	27.69		1493.0							
	OBS	01200	05.43	35.111	27.73		1492.8							
	OBS	01300	05.09	35.079	27.75		1493.0							
	OBS	01355	04.92	35.079	27.77		1493.2							
	OBS	01369	04.97	35.074	27.76		1493.7							
	OBS	01400	04.89	35.077	27.77		1493.9							
	OBS	01500	04.62	35.029	27.76		1494.4							

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REFID 31 8080 YEAR 1969 BOTDP 04334 AIR TEMP 15.4 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 01 SHIP CO WET BULB 11.0 34 4 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 24 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 55 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	18.13	36.443	26.36		1518.6							
	OBS	00010	18.13	36.443	26.36		1518.8							
	OBS	00020	18.13	36.444	26.36		1518.9							
	OBS	00030	18.13	36.444	26.36		1519.1							
	OBS	00050	18.13	36.444	26.36		1519.4							
	OBS	00075	18.13	36.445	26.36		1519.8							
	OBS	00100	18.13	36.446	26.36		1520.2							
	OBS	00125	18.13	36.446	26.36		1520.6							
	OBS	00150	18.13	36.447	26.36		1521.1							
	OBS	00200	17.84	36.488	26.47		1521.1							
	OBS	00250	17.69	36.482	26.50		1521.5							
	OBS	00300	17.60	36.477	26.52		1522.0							
	OBS	00350	17.44	36.445	26.53		1522.3							
	OBS	00400	16.91	36.328	26.57		1521.4							
	OBS	00500	15.26	36.016	26.71		1517.7							
	OBS	00600	13.16	35.729	26.94		1512.2							
	OBS	00700	11.31	35.472	27.10		1507.2							
	OBS	00800	08.87	35.209	27.32		1499.6							
	OBS	00900	07.72	35.138	27.44		1496.9							
	OBS	00910	07.20	35.118	27.50		1495.0							
	OBS	00950	06.79	35.094	27.54		1494.0							
	OBS	00980	06.78	35.179	27.61		1494.6							
	OBS	01000	06.37	35.096	27.60		1493.2							
	OBS	01100	05.48	35.086	27.71		1491.3							
	OBS	01200	05.24	35.106	27.75		1492.0							
	OBS	01300	04.95	35.076	27.76		1492.4							
	OBS	01400	04.63	35.041	27.77		1492.8							
	OBS	01500	04.41	35.014	27.77		1493.5							

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TABLE II.—Continued

REFID 31 8080	YEAR 1969	BOTDP 04389	AIR TEMP 15.4	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0012	MONTH 01	SHIP CO	WET BULB 12.9	05 4 4	WIND-SPD 20	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 24	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 07 W	HOUR 23.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E22 012	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	18.13	36.481	26.39		1518.6							
	OBS	00010	18.12	36.480	26.39		1518.8							
	OBS	00020	18.11	36.477	26.39		1518.9							
	OBS	00030	18.08	36.473	26.40		1519.0							
	OBS	00050	17.99	36.458	26.41		1519.0							
	OBS	00075	17.84	36.446	26.44		1519.0							
	OBS	00100	17.84	36.449	26.44		1519.4							
	OBS	00125	17.84	36.464	26.45		1519.8							
	OBS	00150	17.84	36.466	26.45		1520.2							
	OBS	00200	17.84	36.467	26.45		1521.1							
	OBS	00250	17.62	36.483	26.52		1521.3							
	OBS	00300	17.34	36.433	26.55		1521.2							
	OBS	00400	16.39	36.250	26.64		1519.8							
	OBS	00500	14.92	35.988	26.77		1516.6							
	OBS	00600	12.89	35.699	26.97		1511.2							
	OBS	00700	11.14	35.420	27.10		1506.5							
	OBS	00800	08.99	35.222	27.31		1500.1							
	OBS	00900	07.32	35.087	27.46		1495.2							
	OBS	00950	06.76	35.119	27.57		1493.9							
	OBS	00970	06.67	35.187	27.63		1494.0							
	OBS	01000	06.34	35.126	27.63		1493.1							
	OBS	01100	05.68	35.110	27.70		1492.1							
	OBS	01200	05.17	35.081	27.74		1491.7							
	OBS	01300	04.84	35.052	27.76		1492.0							
	OBS	01400	04.53	35.024	27.77		1492.3							
	OBS	01500	04.36	34.988	27.76		1493.2							

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REFID 31 8080	YEAR 1969	BOTDP 04572	AIR TEMP 14.5	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0013	MONTH 01	SHIP CO	WET BULB 11.6	03 5 3	WIND-SPD 24	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 25	DATA USE 1	BAROMETR 1022.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 10 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E22 013	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.72	36.394	26.43		1517.4							
	OBS	00010	17.70	36.387	26.43		1517.4							
	OBS	00020	17.70	36.387	26.43		1517.6							
	OBS	00030	17.70	36.387	26.43		1517.8							
	OBS	00050	17.70	36.387	26.43		1518.1							
	OBS	00075	17.70	36.387	26.43		1518.5							
	OBS	00100	17.70	36.389	26.43		1518.9							
	OBS	00125	17.69	36.394	26.43		1519.3							
	OBS	00150	17.69	36.435	26.46		1519.8							
	OBS	00200	17.61	36.459	26.50		1520.4							
	OBS	00250	17.44	36.440	26.53		1520.7							
	OBS	00300	17.14	36.377	26.55		1520.5							
	OBS	00400	16.01	36.167	26.66		1518.5							
	OBS	00500	14.82	35.954	26.76		1516.2							
	OBS	00600	12.58	35.604	26.96		1510.1							
	OBS	00700	10.83	35.364	27.11		1505.3							
	OBS	00800	08.88	35.203	27.32		1499.7							
	OBS	00900	07.35	35.116	27.48		1495.4							
	OBS	00920	07.04	35.074	27.49		1494.5							
	OBS	00960	06.99	35.159	27.57		1495.0							
	OBS	00980	06.53	35.064	27.55		1493.4							
	OBS	01000	06.29	35.104	27.62		1492.9							
	OBS	01058	06.28	35.120	27.63		1493.8							
	OBS	01100	05.79	35.094	27.67		1492.5							
	OBS	01200	05.36	35.074	27.71		1492.4							
	OBS	01300	05.05	35.054	27.73		1492.8							
	OBS	01400	04.68	35.016	27.75		1492.9							
	OBS	01500	04.28	34.974	27.76		1492.9							

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TABLE II.—Continued

REFID 31 8080	YEAR 1969	BOTDP 04206	AIR TEMP 14.0	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0014	MONTH 01	SHIP CO	WET BULB 10.4	01 4 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 25	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 10 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E22 014	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.14	36.446	26.36		1518.6							
	OBS	00010	18.15	36.446	26.36		1518.8							
	OBS	00020	18.16	36.448	26.36		1519.0							
	OBS	00030	18.17	36.450	26.36		1519.2							
	OBS	00050	18.17	36.452	26.36		1519.5							
	OBS	00075	18.17	36.453	26.36		1520.0							
	OBS	00100	18.17	36.449	26.36		1520.4							
	OBS	00125	18.14	36.448	26.36		1520.7							
	OBS	00150	18.12	36.448	26.37		1521.0							
	OBS	00200	18.08	36.451	26.38		1521.7							
	OBS	00250	17.81	36.438	26.44		1521.8							
	OBS	00300	17.48	36.388	26.48		1521.6							
	OBS	00400	16.37	36.186	26.59		1519.7							
	OBS	00500	14.86	35.920	26.73		1516.3							
	OBS	00600	13.44	35.708	26.87		1513.1							
	OBS	00700	11.76	35.468	27.02		1508.7							
	OBS	00800	09.36	35.123	27.18		1501.4							
	OBS	00900	07.73	35.113	27.42		1496.9							
	OBS	00940	07.08	35.076	27.49		1495.0							
	OBS	00981	07.05	35.148	27.55		1495.6							
	OBS	01000	06.91	35.111	27.54		1495.3							
	OBS	01100	06.09	35.101	27.64		1493.7							
	OBS	01107	05.81	35.043	27.63		1492.7							
	OBS	01200	05.48	35.051	27.68		1492.9							
	OBS	01300	05.37	35.071	27.71		1494.1							
	OBS	01400	05.11	35.056	27.73		1494.7							
	OBS	01500	04.77	35.018	27.74		1495.0							

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REFID 31 8080	YEAR 1969	BOTDP 04297	AIR TEMP 15.3	DIR HGT PER	WIND-DIR 06	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 01	SHIP CO	WET BULB 10.5	06 3 2	WIND-SPD 22	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 25	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 12 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E22 015	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.96	36.458	26.42		1518.1							
	OBS	00010	17.96	36.459	26.42		1518.3							
	OBS	00020	17.93	36.459	26.42		1518.4							
	OBS	00030	17.90	36.459	26.43		1518.4							
	OBS	00050	17.89	36.459	26.43		1518.7							
	OBS	00075	17.87	36.459	26.44		1519.1							
	OBS	00100	17.87	36.459	26.44		1519.5							
	OBS	00125	17.87	36.459	26.44		1519.9							
	OBS	00150	17.87	36.460	26.44		1520.3							
	OBS	00200	17.82	36.469	26.46		1521.0							
	OBS	00250	17.60	36.470	26.51		1521.2							
	OBS	00300	17.41	36.438	26.54		1521.4							
	OBS	00400	16.67	36.257	26.57		1520.6							
	OBS	00500	15.01	35.999	26.76		1516.9							
	OBS	00600	13.07	35.707	26.94		1511.8							
	OBS	00700	10.92	35.395	27.12		1505.7							
	OBS	00800	09.57	35.187	27.19		1502.2							
	OBS	00900	07.42	35.099	27.46		1495.6							
	OBS	00979	06.84	35.156	27.58		1494.8							
	OBS	01000	06.65	35.127	27.59		1494.3							
	OBS	01100	05.66	35.078	27.68		1492.0							
	OBS	01200	05.25	35.089	27.74		1492.0							
	OBS	01300	05.03	35.079	27.76		1492.8							
	OBS	01400	04.69	35.047	27.77		1493.0							
	OBS	01500	04.52	35.025	27.77		1494.0							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTDP 04480 AIR TEMP 15.2 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SW 1206
CONSEC 0016 MONTH 01 SHIP CO WET BULB 12.2 06 4 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4
LAT 35 04 N DAY 25 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 18 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E22 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	17.60	36.366	26.43		1517.0							
	OBS	00010	17.60	36.366	26.43		1517.1							
	OBS	00020	17.60	36.366	26.43		1517.3							
	OBS	00030	17.60	36.366	26.43		1517.5							
	OBS	00050	17.60	36.366	26.43		1517.8							
	OBS	00075	17.59	36.366	26.44		1518.2							
	OBS	00100	17.59	36.366	26.44		1518.6							
	OBS	00125	17.58	36.371	26.44		1519.0							
	OBS	00150	17.58	36.376	26.45		1519.4							
	OBS	00200	17.57	36.446	26.50		1520.3							
	OBS	00250	17.44	36.439	26.53		1520.7							
	OBS	00300	17.17	36.383	26.55		1520.6							
	OBS	00400	16.33	36.193	26.61		1519.5							
	OBS	00500	14.83	35.963	26.77		1516.2							
	OBS	00600	12.44	35.640	27.02		1509.6							
	OBS	00700	10.87	35.406	27.13		1505.5							
	OBS	00800	09.09	35.209	27.25		1500.5							
	OBS	00900	07.79	35.151	27.44		1497.1							
	OBS	00950	06.64	35.062	27.54		1493.4							
	OBS	01000	06.49	35.131	27.61		1493.7							
	OBS	01010	06.47	35.153	27.63		1493.8							
	OBS	01100	05.64	35.101	27.70		1491.9							
	OBS	01200	05.29	35.063	27.71		1492.1							
	OBS	01300	04.84	35.041	27.75		1491.9							
	OBS	01400	04.59	35.006	27.75		1492.5							
	OBS	01500	04.41	35.021	27.78		1493.5							

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REFID 31 8080 YEAR 1969 BOTDP 03658 AIR TEMP 15.1 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SW 1206
CONSEC 0017 MONTH 01 SHIP CO WET BULB 12.6 07 5 3 WIND-SPD 26 TRACE DIR 0 5 SQUARE 4
LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 03 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E22 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	18.10	36.435	26.36		1518.5							
	OBS	00010	18.10	36.435	26.36		1518.7							
	OBS	00020	18.10	36.435	26.36		1518.8							
	OBS	00030	18.10	36.433	26.36		1519.0							
	OBS	00050	18.09	36.433	26.36		1519.3							
	OBS	00075	18.08	36.428	26.36		1519.7							
	OBS	00100	18.03	36.425	26.37		1519.9							
	OBS	00125	17.85	36.386	26.39		1519.8							
	OBS	00150	17.83	36.386	26.39		1520.1							
	OBS	00200	17.78	36.389	26.41		1520.8							
	OBS	00215	17.61	36.423	26.48		1520.6							
	OBS	00250	17.50	36.400	26.48		1520.8							
	OBS	00300	17.23	36.365	26.52		1520.8							
	OBS	00400	16.23	36.176	26.62		1519.2							
	OBS	00500	15.33	36.046	26.72		1517.9							
	OBS	00600	13.53	35.751	26.88		1513.4							
	OBS	00700	11.76	35.508	27.05		1508.8							
	OBS	00800	10.02	35.308	27.21		1504.0							
	OBS	00900	08.46	35.216	27.39		1499.8							
	OBS	01000	07.73	35.246	27.53		1498.7							
	OBS	01030	07.57	35.257	27.56		1498.6							
	OBS	01100	06.28	35.110	27.62		1494.5							
	OBS	01200	05.74	35.079	27.67		1494.0							
	OBS	01300	05.35	35.070	27.71		1494.1							
	OBS	01400	04.97	35.048	27.74		1494.2							

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TABLE II.—Continued

REFID 31 8080	YEAR 1969	BOTDP 03566	AIR TEMP 15.4	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0018	MONTH 01	SHIP CO	WET BULB 11.8	05 5 3	WIND-SPD 20	TRACE DIR D	5 SQUARE 2
LAT 34 55 N	DAY 26	DATA USE 1	BAROMETR 1022.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E22 018	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.13	36.449	26.37		1518.6							
	OBS	00010	18.14	36.467	26.38		1518.8							
	OBS	00020	18.14	36.464	26.38		1519.0							
	OBS	00030	18.14	36.472	26.38		1519.2							
	OBS	00050	18.14	36.476	26.38		1519.5							
	OBS	00075	18.14	36.477	26.39		1519.9							
	OBS	00100	18.15	36.478	26.38		1520.3							
	OBS	00125	18.15	36.481	26.39		1520.7							
	OBS	00150	18.16	36.489	26.39		1521.2							
	OBS	00200	17.90	36.455	26.43		1521.2							
	OBS	00250	17.68	36.449	26.48		1521.4							
	OBS	00300	17.38	36.392	26.51		1521.3							
	OBS	00400	16.29	36.184	26.61		1519.4							
	OBS	00500	14.83	35.967	26.77		1516.2							
	OBS	00600	12.85	35.682	26.97		1511.1							
	OBS	00700	11.32	35.469	27.10		1507.2							
	OBS	00800	09.24	35.269	27.31		1501.1							
	OBS	00850	08.46	35.279	27.44		1499.0							
	OBS	00900	08.23	35.269	27.47		1499.0							
	OBS	01000	06.92	35.151	27.57		1495.4							
	OBS	01100	06.13	35.136	27.66		1493.9							
	OBS	01200	05.71	35.120	27.71		1493.9							
	OBS	01300	05.32	35.094	27.73		1494.0							
	OBS	01400	05.10	35.082	27.75		1494.7							
	OBS	01500	04.79	35.059	27.77		1495.1							

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REFID 31 8080	YEAR 1969	BOTDP 04663	AIR TEMP 15.8	DIR HGT PER	WIND-DIR 05	INST NANSEN CAST	TEN SQ 1206
CONSEC 0019	MONTH 01	SHIP CO	WET BULB 12.0	05 5 3	WIND-SPD 20	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 26	DATA USE 1	BAROMETR 1022.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 08 W	HOUR 21.4	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E22 019	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.4	OBS	00000	17.79	36.428	26.43		1517.6							
21.4	OBS	00026	17.77	36.423	26.44		1518.0							
21.4	OBS	00052	17.77	36.425	26.44		1518.4							
21.4	OBS	00078	17.80	36.432	26.44		1518.9							
21.4	OBS	00104	17.80	36.426	26.43		1519.3							
21.4	OBS	00156	17.80	36.434	26.44		1520.2							
21.4	OBS	00209	17.71	36.470	26.49		1520.8							
21.4	OBS	00313	17.30	36.414	26.54		1521.3							
21.4	OBS	T00418	16.07	36.174	26.65		1519.0							
21.4	OBS	T00524	14.37	35.872	26.80		1515.1							
21.4	OBS	00633	12.44	35.552	26.95		1510.1							
21.4	OBS	00854	08.34	35.191	27.39		1498.5							
21.4	OBS	01076	05.89	35.074	27.65		1492.3							
21.4	OBS	T01627	04.07	34.958	27.77		1494.1							

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REFID 31 8080	YEAR 1969	BOTDP 04407	AIR TEMP 16.5	DIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1206
CONSEC 0020	MONTH 01	SHIP CO	WET BULB 12.6	09 4 3	WIND-SPD 18	TRACE DIR	5 SQUARE 4
LAT 35 09 N	DAY 27	DATA USE 1	BAROMETR 1023.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 18 W	HOUR 13.7	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X8	ORIG E22 020	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	18.00	36.386	26.35		1516.2							
13.7	OBS	00025	17.98	36.377	26.35		1516.5							
13.7	OBS	00051	17.92	36.358	26.35		1516.7							
13.7	OBS	00077	17.90	36.384	26.37		1519.1							
13.7	OBS	00102	17.87	36.390	26.39		1519.5							
13.7	OBS	00155	17.89	36.392	26.38		1520.4							
13.7	OBS	00207	17.79	36.459	26.46		1521.0							
13.7	OBS	00312	17.36	36.410	26.53		1521.4							
13.7	OBS	T00416	16.01	36.154	26.65		1516.6							
13.7	OBS	T00519	14.46	35.891	26.79		1515.3							
13.7	OBS	00629	12.76	35.629	26.95		1511.2							
13.7	OBS	00843	08.88	35.198	27.31		1500.4							
13.7	OBS	01059	06.28	35.083	27.60		1493.8							
13.7	OBS	T01608	04.34	35.003	27.77		1495.0							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTDP 04534 AIR TEMP 15.8 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0021 MONTH 01 SHIP CO WET BULB 13.3 05 4 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 28 DATA USE 1 BAROMETR 1024.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 12.8 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E22 021 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	18.13	36.461	26.38		1518.6							
12.8	OBS	00027	18.11	36.461	26.38		1519.0							
12.8	OBS	00053	18.13	36.457	26.37		1519.5							
12.8	OBS	00079	18.14	36.455	26.37		1519.9							
12.8	OBS	00105	18.13	36.463	26.38		1520.3							
12.8	OBS	00158	18.14	36.462	26.37		1521.2							
12.8	OBS	T00211	17.94	36.460	26.42		1521.5							
12.8	OBS	00313	17.48	36.432	26.51		1521.8							
12.8	OBS	T00416	16.43	36.233	26.61		1520.2							
12.8	OBS	T00520	14.80	35.971	26.78		1516.5							
12.8	OBS	00623	13.24	35.750	26.94		1512.8							
12.8	OBS	00833	09.54	35.285	27.27		1502.8							
12.8	OBS	01041	07.06	35.199	27.59		1496.7							
12.8	OBS	T01572	04.70	35.052	27.77		1495.9							

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REFID 31 8080 YEAR 1969 BOTDP 03840 AIR TEMP 17.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0022 MONTH 01 SHIP CO WET BULB 14.3 05 3 3 WIND-SPD 0o TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 29 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E22 022 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	18.06	36.464	26.40		1518.4							
12.9	OBS	00025	18.03	36.458	26.40		1518.7							
12.9	OBS	00051	18.04	36.464	26.40		1519.2							
12.9	OBS	00076	18.04	36.464	26.40		1519.6							
12.9	OBS	00102	18.04	36.463	26.40		1520.0							
12.9	OBS	00152	18.01	36.464	26.41		1520.8							
12.9	OBS	T00202	17.91	36.463	26.43		1521.3							
12.9	OBS	00304	17.51	36.427	26.50		1521.8							
12.9	OBS	T00406	16.62	36.239	26.57		1520.6							
12.9	OBS	T00502	15.23	36.044	26.74		1517.6							
12.9	OBS	00605	13.42	35.759	26.91		1513.1							
12.9	OBS	T00806	09.97	35.313	27.22		1503.9							
12.9	OBS	T01009	07.40	35.229	27.56		1497.5							
12.9	OBS	T01520	04.71	35.052	27.77		1495.1							

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REFID 31 8080 YEAR 1969 BOTDP 03968 AIR TEMP 15.5 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0023 MONTH 01 SHIP CO WET BULB 13.1 06 3 4 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 30 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 11 W HOUR 12.3 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E22 023 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.01	36.423	26.38		1518.2							
12.3	OBS	00025	17.99	36.422	26.38		1518.6							
12.3	OBS	00051	18.00	36.433	26.39		1519.0							
12.3	OBS	00076	18.00	36.427	26.38		1519.4							
12.3	OBS	00102	17.99	36.414	26.37		1519.8							
12.3	OBS	00152	17.96	36.438	26.40		1520.6							
12.3	OBS	00203	17.83	36.455	26.45		1521.1							
12.3	OBS	00305	17.40	36.404	26.51		1521.4							
12.3	OBS	T00405	16.61	36.267	26.60		1520.6							
12.3	OBS	T00502	15.17	36.028	26.74		1517.4							
12.3	OBS	00608	13.52	35.767	26.90		1513.5							
12.3	OBS	00811	09.91	35.317	27.23		1503.8							
12.3	OBS	01014	07.32	35.223	27.37		1497.3							
12.3	OBS	T01521	04.62	35.012	27.75		1494.7							

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REFID 31 8080 YEAR 1969 BOTDP 02944 AIR TEMP 16.0 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0024 MONTH 01 SHIP CO WET BULB 12.6 07 3 4 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 31 DATA USE 1 BAROMETR 1015.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E22 024 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	17.75	36.407	26.43		1517.5							
12.8	OBS	00024	17.74	36.406	26.43		1517.8							
12.8	OBS	00050	17.72	36.400	26.43		1518.2							
12.8	OBS	00075	17.74	36.402	26.43		1518.6							
12.8	OBS	00100	17.74	36.407	26.43		1519.1							
12.8	OBS	00149	17.77	36.407	26.42		1520.0							
12.8	OBS	T00200	17.78	36.406	26.42		1520.8							
12.8	OBS	00298	17.44	36.421	26.52		1521.5							
12.8	OBS	T00398	16.64	36.268	26.59		1520.5							
12.8	OBS	T00489	15.11	36.001	26.74		1517.0							
12.8	OBS	00590	13.31	35.721	26.91		1512.3							
12.8	OBS	00784	10.88	35.400	27.13		1506.9							
12.8	OBS	00979	07.29	35.096	27.47		1496.4							
12.8	OBS	01471	04.85	35.011	27.72		1494.8							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTDP 02706 AIR TEMP 16.1 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0025 MONTH 02 SHIP CO WET BULB 12.3 08 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 08 N DAY 01 DATA USE 1 BAROMETR 1007.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09 W HOUR 13.6 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E22 025 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	17.72	36.366	26.40		1517.3							
13.6	OBS	00024	17.74	36.412	26.43		1517.8							
13.6	OBS	00050	17.73	36.411	26.44		1518.2							
13.6	OBS	00074	17.74	36.392	26.42		1518.6							
13.6	OBS	00099	17.74	36.397	26.42		1519.0							
13.6	OBS	00148	17.78	36.436	26.44		1520.0							
13.6	OBS	00198	17.78	36.440	26.45		1520.8							
13.6	OBS	00297	17.56	36.445	26.50		1521.8							
13.6	OBS	T00399	16.58	36.238	26.58		1520.3							
13.6	OBS	T00492	15.35	36.075	26.74		1517.9							
13.6	OBS	00593	13.39	35.719	26.89		1512.8							
13.6	OBS	T00786	10.56	35.375	27.17		1505.8							
13.6	OBS	T00987	07.21	35.090	27.48		1496.3							
13.6	OBS	T01492	04.59	35.012	27.75		1494.1							

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REFID 31 8080 YEAR 1969 BOTDP 04663 AIR TEMP 16.9 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0026 MONTH 02 SHIP CO WET BULB 13.0 01 4 3 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 54.6N DAY 02 DATA USE 1 BAROMETR 1010.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.4 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E22 026 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	17.72	36.440	26.46		1517.4							
12.4	OBS	00026	17.71	36.438	26.46		1517.8							
12.4	OBS	00051	17.72	36.441	26.46		1518.2							
12.4	OBS	00077	17.74	36.446	26.46		1518.7							
12.4	OBS	00102	17.73	36.434	26.45		1519.1							
12.4	OBS	00154	17.74	36.429	26.45		1520.0							
12.4	OBS	T00205	17.72	36.426	26.45		1520.8							
12.4	OBS	00305	17.28	36.398	26.54		1521.1							
12.4	OBS	T00404	16.31	36.204	26.62		1519.6							
12.4	OBS	T00500	15.01	36.021	26.77		1516.9							
12.4	OBS	00601	13.36	35.742	26.91		1512.9							
12.4	OBS	00800	10.62	35.414	27.15		1506.3							
12.4	OBS	T00993	07.55	35.198	27.52		1497.8							
12.4	OBS	T01525	04.35	34.996	27.77		1493.6							

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REFID 31 8080 YEAR 1969 BOTDP 04846 AIR TEMP 14.8 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0027 MONTH 02 SHIP CO WET BULB 11.3 33 4 3 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 03 DATA USE 1 BAROMETR 1009.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 46 W HOUR 12.4 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E22 027 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	17.62	36.448	26.49		1517.1							
12.4	OBS	00025	17.61	36.443	26.49		1517.5							
12.4	OBS	00049	17.61	36.443	26.49		1517.9							
12.4	OBS	00075	17.62	36.444	26.49		1518.3							
12.4	OBS	00098	17.62	36.446	26.49		1518.7							
12.4	OBS	00149	17.63	36.444	26.49		1519.6							
12.4	OBS	T00201	17.63	36.450	26.49		1520.5							
12.4	OBS	00297	17.21	36.391	26.55		1520.7							
12.4	OBS	T00396	16.07	36.172	26.65		1518.7							
12.4	OBS	T00491	15.31	36.071	26.75		1517.7							
12.4	OBS	00592	14.07	35.894	26.88		1515.2							
12.4	OBS	T00798	11.44	35.519	27.12		1509.3							
12.4	OBS	T01006	08.12	35.302	27.51		1500.4							
12.4	OBS	T01556	04.48	35.021	27.77		1494.7							

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REFID 31 8080 YEAR 1969 BOTDP 04773 AIR TEMP 17.0 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0028 MONTH 02 SHIP CO WET BULB 14.5 04 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 04 DATA USE 1 BAROMETR 1013.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E22 028 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	17.60	36.448	26.50		1517.1							
12.5	OBS	00027	17.59	36.442	26.49		1517.5							
12.5	OBS	00053	17.59	36.446	26.50		1517.9							
12.5	OBS	00080	17.60	36.446	26.50		1518.4							
12.5	OBS	00105	17.60	36.445	26.49		1518.8							
12.5	OBS	00159	17.61	36.451	26.50		1519.7							
12.5	OBS	T00211	17.63	36.444	26.49		1520.6							
12.5	OBS	00317	17.09	36.361	26.55		1520.7							
12.5	OBS	T00423	15.79	36.172	26.71		1518.2							
12.5	OBS	T00526	14.83	35.972	26.78		1516.7							
12.5	OBS	00635	13.34	35.763	26.93		1513.4							
12.5	OBS	T00848	10.45	35.396	27.20		1506.5							
12.5	OBS	T01058	06.86	35.149	27.58		1496.2							
12.5	OBS	T01619	04.23	34.988	27.77		1494.7							

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TABLE II.—Continued

REFID 31 8080	YEAR 1969	BOTDP 03017	AIR TEMP 15.9	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1206
CONSEC 0029	MONTH 02	SHIP CO	WET BULB 14.9	25 3 5	WIND-SPD 21	TRACE DIR	5 SQUARE 4
LAT 35 08 N	DAY 05	DATA USE 1	BAROMETR 1011.1	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 51 W	HOUR 12.7	AREA 05	CLOUD T/A 4/8	CL/TR	WEATHER X6	ORIG E22 029	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	17.64	36.427	26.47		1517.2							
12.7	OBS	00027	17.62	36.438	26.48		1517.6							
12.7	OBS	00052	17.63	36.440	26.48		1518.0							
12.7	OBS	00079	17.61	36.438	26.49		1518.4							
12.7	OBS	00104	17.62	36.440	26.49		1518.8							
12.7	OBS	00156	17.61	36.440	26.49		1519.6							
12.7	OBS	T00209	17.62	36.444	26.49		1520.5							
12.7	OBS	00309	17.55	36.437	26.50		1522.0							
12.7	OBS	T00409	16.49	36.248	26.61		1520.2							
12.7	OBS	T00507	15.39	36.063	26.72		1518.2							
12.7	OBS	00607	14.13	35.867	26.85		1515.6							
12.7	OBS	T00806	10.83	35.426	27.16		1507.2							
12.7	OBS	T01002	07.75	35.204	27.49		1498.7							
12.7	OBS	T01524	04.47	35.001	27.76		1494.1							

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TABLE III.–Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 9 February 1969 - 2 March 1969, prepared from NODC listing No. 31 - 1416.

REFID	31 1416	YEAR	1969	BOTDP	04480	AIR TEMP	15.6	DIR HGT PER		WIND-DIR	33	INST	NANSEN CAST					TEN SQ	1206
CONSEC	0001	MONTH	02	SHIP AI		WET BULB	13.9	29 3 6		WIND-SPD	20	TRACE	DIR					5 SQUARE	2
LAT	34 57 N	DAY	09	DATA USE	1	BAROMETR	1017.0	SEA		WIND-FOR		DURATION						2 SQUARE	46
LONG	047 48 W	HOUR	13.2	AREA	05	CLOUD T/A	6/6	CL/TR		WEATHER	X5	ORIG	E23 001					1 SQUARE	47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	17.52	36.389	26.47		1516.8							
13.2	OBS	00028	17.54	36.398	26.47		1517.3							
13.2	OBS	00055		36.405										
13.2	OBS	00081	17.54	36.400	26.47		1518.2							
13.2	OBS	00108	17.56											
13.2	OBS	00157	17.57	36.423	26.48		1519.5							
13.2	OBS	T00203	17.56	36.419	26.48		1520.2							
13.2	OBS	00290	17.58	36.419	26.48		1521.7							
13.2	OBS	00368		36.130										
13.2	OBS	00441	15.81	36.090	26.65		1518.5							
13.2	OBS	T00515	14.85	35.974	26.77		1516.6							
13.2	OBS	00674	13.06	35.734	26.97		1513.1							

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REFID	31 1416	YEAR	1969	BOTDP	04389	AIR TEMP	15.6	DIR HGT PER		WIND-DIR	12	INST	NANSEN CAST					TEN SQ	1206
CONSEC	0002	MONTH	02	SHIP AI		WET BULB	12.2	33 2 2		WIND-SPD	15	TRACE	DIR					5 SQUARE	4
LAT	35 03 N	DAY	10	DATA USE	1	BAROMETR	1024.4	SEA		WIND-FOR		DURATION						2 SQUARE	48
LONG	048 14 W	HOUR	12.9	AREA	05	CLOUD T/A	6/6	CL/TR		WEATHER	X1	ORIG	E23 002					1 SQUARE	58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	17.61	36.456	26.50		1517.1							
12.9	OBS	00024	17.56	36.456	26.51		1517.4							
12.9	OBS	00047	17.52	36.450	26.52		1517.6							
12.9	OBS	00071		36.458										
12.9	OBS	00094	17.56	36.452	26.51		1518.5							
12.9	OBS	00140	17.56	36.444	26.50		1519.2							
12.9	OBS	T00184	17.57	36.454	26.51		1520.0							
12.9	OBS	00269	17.39	36.421	26.53		1520.8							
12.9	OBS	T00349	16.93	36.340	26.58		1520.7							
12.9	OBS	00430	15.78	36.134	26.69		1518.3							
12.9	OBS	00504	14.88	35.997	26.78		1516.5							

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REFID	31 1416	YEAR	1969	BOTDP	03475	AIR TEMP	19.4	DIR HGT PER		WIND-DIR	28	INST	NANSEN CAST					TEN SQ	1206
CONSEC	0003	MONTH	02	SHIP AI		WET BULB	18.3	25 2 6		WIND-SPD	05	TRACE	DIR					5 SQUARE	4
LAT	35 10 N	DAY	12	DATA USE	1	BAROMETR	1013.5	SEA		WIND-FOR		DURATION						2 SQUARE	48
LONG	048 15 W	HOUR	13.2	AREA	05	CLOUD T/A	8/3	CL/TR		WEATHER	X1	ORIG	E23 003					1 SQUARE	58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	17.57	36.457	26.51		1517.0							
13.2	OBS	00026	17.56	36.453	26.51		1517.4							
13.2	OBS	00052	17.58	36.470	26.52		1517.9							
13.2	OBS	00078	17.60	36.462	26.51		1518.4							
13.2	OBS	00104	17.59	36.463	26.51		1518.8							
13.2	OBS	00157	17.61	36.459	26.50		1519.7							
13.2	OBS	T00210	17.59	36.463	26.51		1520.5							
13.2	OBS	00310		36.444										
13.2	OBS	T00410	16.24	36.405	26.79		1519.7							
13.2	OBS	00510	15.19	36.087	26.78		1517.7							
13.2	OBS	00609	13.89	35.870	26.90		1514.9							
13.2	OBS	00810	11.75	35.694	27.19		1510.8							
13.2	OBS	01007	08.43	35.308	27.47		1501.6							
13.2	OBS	T01506	04.79	35.084	27.79		1495.2							

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TABLE III.—Continued

REFID 31 1416 YEAR 1969 BOTDP 04481 AIR TEMP 17.8 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 02 SHIP AI WET BULB 15.6 35 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 13 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 20 W HOUR 09.7 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E23 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.7	OBS	00000	17.58	36.450	26.50		1517.0							
09.7	OBS	00023	17.50	36.449	26.52		1517.2							
09.7	OBS	00047	17.50	36.450	26.52		1517.5							
09.7	OBS	00070		36.457										
09.7	OBS	00093	17.50	36.457	26.53		1518.3							
09.7	OBS	00139	17.52	36.448	26.52		1519.1							
09.7	OBS	T00186	17.55	36.451	26.51		1520.0							
09.7	OBS	00278		36.436										
09.7	OBS	00368	16.28	36.234	26.65		1518.9							
09.7	OBS	00458	15.50	36.102	26.73		1517.8							
09.7	OBS	T00546	14.88	35.999	26.79		1517.2							
09.7	OBS	00727	13.13	35.757	26.97		1514.2							
09.7	OBS	00908		35.449										
09.7	OBS	T01378	05.06	35.091	27.76		1494.2							

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REFID 31 1416 YEAR 1969 BOTDP 04572 AIR TEMP 19.4 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 02 SHIP AI WET BULB 17.2 08 1 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 14 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 16.0 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E23 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.0	OBS	00000		36.446										
16.0	OBS	00024	17.54	36.439	26.50		1517.3							
16.0	OBS	00049	17.56	36.439	26.50		1517.7							
16.0	OBS	00072		36.441										
16.0	OBS	00096	17.54	36.445	26.51		1518.5							
16.0	OBS	00143	17.54	36.441	26.51		1519.2							
16.0	OBS	T00191	17.53	36.440	26.51		1520.0							
16.0	OBS	00285	16.93	36.381	26.61		1519.7							
16.0	OBS	00378	16.36	36.230	26.63		1519.3							
16.0	OBS	00471	15.35	36.072	26.74		1517.5							
16.0	OBS	T00560	14.30	35.909	26.84		1515.5							
16.0	OBS	00739	12.59	35.673	27.01		1512.5							
16.0	OBS	00918	09.77	35.353	27.29		1505.1							

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REFID 31 1416 YEAR 1969 BOTDP 04755 AIR TEMP 15.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 02 SHIP AI WET BULB 12.2 35 2 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 17 DATA USE 1 BAROMETR 1010.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E23 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	18.05	36.436	26.38		1518.4							
12.8	OBS	00024	17.94	36.433	26.40		1518.4							
12.8	OBS	00047		36.432										
12.8	OBS	00070	17.48	36.432	26.51		1517.8							
12.8	OBS	00093	17.46	36.444	26.53		1518.2							
12.8	OBS	00139	17.47	36.432	26.52		1518.9							
12.8	OBS	T00184	17.47	36.434	26.52		1519.7							
12.8	OBS	00278	17.41	36.447	26.54		1521.1							
12.8	OBS	T00361	17.17	36.396	26.56		1521.7							
12.8	OBS	00448	16.33	36.225	26.63		1520.4							
12.8	OBS	T00534	15.38	36.072	26.73		1518.7							
12.8	OBS	00703	13.10	35.744	26.97		1513.7							
12.8	OBS	00879	10.27	35.378	27.22		1506.3							

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REFID 31 1416 YEAR 1969 BOTDP 04755 AIR TEMP 16.1 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 02 SHIP AI WET BULB 12.2 34 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 18 DATA USE 1 BAROMETR 1012.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 12.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E23 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	17.45	36.448	26.53		1516.6							
12.6	OBS	00024	17.41	36.438	26.54		1516.9							
12.6	OBS	00049		36.436										
12.6	OBS	00073	17.42	36.436	26.53		1517.7							
12.6	OBS	00098	17.45	36.451	26.54		1518.2							
12.6	OBS	00147	17.44	36.446	26.53		1519.0							
12.6	OBS	T00195	17.54	36.444	26.51		1520.1							
12.6	OBS	00294	17.52	36.440	26.51		1521.6							
12.6	OBS	T00395	17.35	36.418	26.53		1522.8							
12.6	OBS	00491	16.28	36.208	26.63		1520.9							
12.6	OBS	T00591	14.65	35.940	26.79		1517.1							
12.6	OBS	T00790	12.04	35.576	27.05		1511.3							
12.6	OBS	00991	08.58	35.263	27.41		1501.8							

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TABLE III.—Continued

REFID 31 1416 YEAR 1969 BOTDP 04938 AIR TEMP 15.6 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 02 SHIP AI WET BULB 12.2 06 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 44 N DAY 19 DATA USE 1 BAROMETR 1009.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 046 03 W HOUR 12.5 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E23 008 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	18.58	36.469	26.27		1519.9							
12.5	OBS	00023	17.43	36.462	26.55		1517.0							
12.5	OBS	00048		36.462										
12.5	OBS	00071	17.43	36.465	26.55		1517.8							
12.5	OBS	00096	17.46	36.467	26.55		1518.3							
12.5	OBS	00142	17.45	36.457	26.54		1519.0							
12.5	OBS	00190	17.44	36.456	26.54		1519.7							
12.5	OBS	00285	17.36	36.459	26.56		1521.1							
12.5	OBS	T00375	17.06	36.386	26.58		1521.6							
12.5	OBS	00473	16.35	36.246	26.64		1520.9							
12.5	OBS	00565	14.64	35.924	26.78		1516.7							
12.5	OBS	T00752	10.87	35.383	27.12		1506.4							
12.5	OBS	00937	06.70	35.023	27.50		1493.3							

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REFID 31 1416 YEAR 1969 BOTDP 04755 AIR TEMP 15.6 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 02 SHIP AI WET BULB 11.7 01 4 6 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 43 N DAY 26 DATA USE 1 BAROMETR 1014.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 13.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E23 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	17.96	36.438	26.40		1518.1							
13.3	OBS	00025	17.37	36.432	26.54		1516.8							
13.3	OBS	00051		36.435										
13.3	OBS	00076	17.38	36.437	26.54		1517.7							
13.3	OBS	00102	17.40	36.440	26.54		1518.1							
13.3	OBS	00152	17.42	36.439	26.53		1519.0							
13.3	OBS	T00201	17.41	36.429	26.53		1519.8							
13.3	OBS	00305	17.08	36.433	26.61		1520.5							
13.3	OBS	T00406	16.51	36.230	26.59		1520.2							
13.3	OBS	00508	15.19	36.040	26.75		1517.6							
13.3	OBS	T00607	13.76	35.803	26.88		1514.4							
13.3	OBS	T00818	10.14	35.350	27.22		1504.8							
13.3	OBS	01015	07.36	35.213	27.56		1497.5							
13.3	OBS	T01533	04.47	35.068	27.81		1494.4							

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REFID 31 1416 YEAR 1969 BOTDP 04755 AIR TEMP 18.3 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 02 SHIP AI WET BULB 16.7 20 3 6 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 51 N DAY 27 DATA USE 1 BAROMETR 1013.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E23 010 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000		36.440										
12.5	OBS	00027	17.40	36.436	26.54		1516.9							
12.5	OBS	00053	17.38	36.432	26.54		1517.3							
12.5	OBS	00080	17.39	36.436	26.54		1517.7							
12.5	OBS	00106	17.43	36.440	26.53		1518.3							
12.5	OBS	00161	17.43	36.437	26.53		1519.2							
12.5	OBS	T00215	17.44	36.436	26.53		1520.1							
12.5	OBS	00322	17.21	36.441	26.59		1521.2							
12.5	OBS	T00430	15.87	36.153	26.68		1518.6							
12.5	OBS	00540	14.60	35.933	26.80		1516.1							
12.5	OBS	T00646	13.01	35.660	26.92		1512.3							
12.5	OBS	T00875	09.56	35.304	27.28		1503.6							
12.5	OBS	01089	06.60	35.148	27.61		1495.6							
12.5	OBS	01641	04.21	35.073	27.84		1495.1							

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REFID 31 1416 YEAR 1969 BOTDP 04206 AIR TEMP 18.9 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 02 SHIP AI WET BULB 16.7 36 1 4 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 28 DATA USE 1 BAROMETR 1014.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 45 W HOUR 13.4 AREA 05 CLOUD T/A 1/6 CL/TR WEATHER X1 ORIG E23 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	17.78	36.469	26.47		1517.6							
13.4	OBS	00024	17.77	36.462	26.47		1518.0							
13.4	OBS	00049	17.68	36.457	26.48		1518.1							
13.4	OBS	00073	17.63	36.455	26.49		1518.4							
13.4	OBS	00099	17.63	36.462	26.50		1518.8							

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TABLE III.—Continued

REFID 31 1416 YEAR 1969 BOTDP 04480 AIR TEMP 18.3 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 03 SHIP A1 WET BULB 17.2 25 2 5 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 01 DATA USE 1 BAROMETR 1011.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 13.1 AREA 05 CLOUD T/A 1/6 CL/TR WEATHER X1 ORIG E23 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	17.46	36.440	26.52		1516.6							
13.1	OBS	00025	17.39	36.434	26.54		1516.8							
13.1	OBS	00049	17.42	36.437	26.53		1517.3							
13.1	OBS	00075		36.439										
13.1	OBS	00099	17.39	36.440	26.54		1518.1							
13.1	OBS	00149	17.38	36.437	26.54		1518.9							
13.1	OBS	T00197	17.38	36.438	26.54		1519.0							
13.1	OBS	00296	17.30	36.437	26.56		1521.0							
13.1	OBS	T00399	17.17	36.382	26.55		1522.3							
13.1	OBS	00496	15.84	36.138	26.68		1519.6							
13.1	OBS	T00595	13.89	35.828	26.87		1514.6							
13.1	OBS	T00801	10.59	35.409	27.19		1506.2							
13.1	OBS	01010	07.21	35.146	27.52		1496.7							

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REFID 31 1416 YEAR 1969 BOTDP 04846 AIR TEMP 18.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 03 SHIP A1 WET BULB 15.6 28 2 4 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 51 N DAY 02 DATA USE 1 BAROMETR 1012.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 49 W HOUR 12.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E23 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	17.79	36.460	26.46		1517.6							
12.7	OBS	00029	17.80	36.455	26.45		1518.1							
12.7	OBS	00057	17.79	36.443	26.45		1518.5							
12.7	OBS	00087	17.58	36.425	26.48		1518.4							
12.7	OBS	00116	17.58	36.454	26.51		1518.9							
12.7	OBS	00175	17.41	36.389	26.50		1519.3							
12.7	OBS	T00234	17.38	36.446	26.55		1520.3							
12.7	OBS	00355		36.252										
12.7	OBS	T00477	15.83	36.123	26.67		1519.2							
12.7	OBS	00601	13.50	35.750	26.89		1513.3							
12.7	OBS	T00725	11.38	35.431	27.06		1507.8							
12.7	OBS	T00977	07.46	35.191	27.52		1497.2							
12.7	OBS	01231	05.41	35.088	27.72		1493.2							
12.7	OBS	T01861	03.96	35.027	27.83		1497.7							

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TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC SHERMAN at Ocean Station ECHO, 3 March 1969 - 26 March 1969, prepared from NODC listing No. 31 - 8088.

REFID 31 8088	YEAR 1969	BOTDP	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 03	SHIP F7	WET BULB 15.6	1 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 20 N	DAY 04	DATA USE 1	BAROMETR 1009.0	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 48
LONG 048 25 W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER	ORIG E24 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	17.52	36.443	26.51		1516.8							
	OBS	00010	17.45											
	OBS	00020	17.35											
	OBS	00030	17.35											
	OBS	00050	17.32											
	OBS	00075	17.32											
	OBS	00100	17.33											
	OBS	00125	17.34											
	OBS	00150	17.34											
	OBS	00200	17.35											
	OBS	00250	17.35											
	OBS	00300	17.36											
	OBS	00400	17.35											
	OBS	00440	17.30											
	OBS	00500	16.65											
	OBS	00510	16.64											
	OBS	00600	14.88											
	OBS	00700	13.33											
	OBS	00800	11.72											
	OBS	00900	09.88											
	OBS	01000	07.50	35.140	27.48		1497.7							
	OBS	01100	06.73	35.123	27.57		1496.3							
	OBS	01200	06.09	35.130	27.66		1495.4							
	OBS	01300	05.45	35.091	27.71		1494.5							
	OBS	01400	05.10	35.083	27.75		1494.7							
	OBS	01500	04.82	35.056	27.76		1495.2							

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REFID 31 8088	YEAR 1969	BOTDP 01554	AIR TEMP 17.0	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 03	SHIP F7	WET BULB 15.1	22 0 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 05.2N	DAY 05	DATA USE 1	BAROMETR 1006.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 08.7W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E24 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.34	36.445	26.56		1516.3							
	OBS	00010	17.35											
	OBS	00020	17.35											
	OBS	00030	17.35											
	OBS	00050	17.35											
	OBS	00075	17.35											
	OBS	00100	17.35											
	OBS	00125	17.36											
	OBS	00150	17.35											
	OBS	00200	17.36											
	OBS	00250	17.36											
	OBS	00300	17.35											
	OBS	00325	17.35											
	OBS	00400	17.22											
	OBS	00435	17.15											
	OBS	00500	15.97											
	OBS	00600	14.37											
	OBS	00700	12.72											
	OBS	00800	11.47	35.514	27.11		1509.4							
	OBS	00900	09.57	35.369	27.33		1504.1							
	OBS	01000	07.57	35.187	27.50		1498.0							
	OBS	01100	06.69	35.139	27.59		1496.2							
	OBS	01200	05.89	35.149	27.71		1494.7							
	OBS	01300	05.53	35.117	27.73		1494.9							
	OBS	01350	05.22	35.084	27.74		1494.4							
	OBS	01400	05.17	35.091	27.75		1495.0							
	OBS	01450	05.05	35.089	27.76		1495.4							

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TABLE IV.—Continued

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REFID  31  8088     YEAR 1969     BOTDP 03109     AIR TEMP   17.8     DIR HGT PER     WIND-DIR 18     INST STD RECORDER      TEN SQ 1206
CONSEC      0003    MONTH  03     SHIP F7         WET BULB   15.9       18  4   4     WIND-SPD 35     TRACE DIR         D    5 SQUARE  4
LAT    35 15  N     DAY    05     DATA USE  1     BAROMETR 1000.8     SEA             WIND-FOR        DURATION      00.2    2 SQUARE 48
LONG  048 12  W     HOUR 12.4     AREA      05    CLOUD T/A           CL/TR           WEATHER  Xo     ORIG E24 003          1 SQUARE 58

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P   NO2   NO3   SIO3   PH

         12.4   OBS      00000     17.34    36.444     26.56               1516.3
                OBS      00010     17.34
                OBS      00020     17.34
                OBS      00030     17.35
                OBS      00050     17.36
                OBS      00075     17.37
                OBS      00100     17.37
                OBS      00125     17.37
                OBS      00150     17.37
                OBS      00200     17.38
                OBS      00250     17.38
                OBS      00300     17.37
                OBS      00400     17.30
                OBS      00453     17.15
                OBS      00500     16.49
                OBS      00600     14.74
                OBS      00700     13.13
                OBS      00800     11.45
                OBS      00900     09.55
                OBS      01000     07.35
                OBS      01100     06.49
                OBS      01200     05.92
                OBS      01300     05.52
                OBS      01400     05.12
                OBS      01490     04.85

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REFID  31  8088     YEAR 1969     BOTDP 01280     AIR TEMP   16.1     DIR HGT PER     WIND-DIR 28     INST STD RECORDER      TEN SQ 1206
CONSEC      0004    MONTH  03     SHIP F7         WET BULB   11.8       28  3   3     WIND-SPD 20     TRACE DIR         D    5 SQUARE  4
LAT    35 10  N     DAY    06     DATA USE  1     BAROMETR 1006.3     SEA             WIND-FOR        DURATION      00.2    2 SQUARE 48
LONG  048 12  W     HOUR 18.3     AREA      05    CLOUD T/A           CL/TR           WEATHER  XO     ORIG E24 004          1 SQUARE 58

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P   NO2   NO3   SIO3   PH

         18.3   OBS      00000     17.46    36.442     26.53               1516.7
                OBS      00010     17.46
                OBS      00020     17.45
                OBS      00030     17.45
                OBS      00050     17.44
                OBS      00075     17.42
                OBS      00100     17.41
                OBS      00125     17.41
                OBS      00150     17.38
                OBS      00200     17.35
                OBS      00250     17.37
                OBS      00300     17.36
                OBS      00400     17.34
                OBS      00430     17.32
                OBS      00500     16.22
                OBS      00600     15.02
                OBS      00690     13.03
                OBS      00700     13.09
                OBS      00800     11.30
                OBS      00900     09.59
                OBS      01000     07.77
                OBS      01100     06.59
                OBS      01150     06.30

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REFID  31  8088     YEAR 1969     BOTDP 04385     AIR TEMP   15.5     DIR HGT PER     WIND-DIR 27     INST STD RECORDER      TEN SQ 1206
CONSEC      0005    MONTH  03     SHIP F7         WET BULB   11.6       27  2   3     WIND-SPD 15     TRACE DIR         D    5 SQUARE  4
LAT    35 00  N     DAY    06     DATA USE  1     BAROMETR 1010.0     SEA             WIND-FOR        DURATION      00.5    2 SQUARE 46
LONG  047 48  W     HOUR 23.8     AREA      05    CLOUD T/A           CL/TR           WEATHER  XO     ORIG E24 005          1 SQUARE 57

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P   NO2   NO3   SIO3   PH

         23.8   OBS      00000     17.59    36.449     26.50               1517.0
                OBS      00010     17.59
                OBS      00020     17.59
                OBS      00030     17.59
                OBS      00050     17.53
                OBS      00075     17.45
                OBS      00100     17.42
                OBS      00125     17.40
                OBS      00150     17.34
                OBS      00200     17.30
                OBS      00250     17.29
                OBS      00300     17.19
                OBS      00400     16.60
                OBS      00500     16.12
                OBS      00600     14.67
                OBS      00700     12.89
                OBS      00800     11.42
                OBS      00900     09.37
                OBS      01000     07.22
                OBS      01040     07.48
                OBS      01100     06.45
                OBS      01200     05.77
                OBS      01300     05.18
                OBS      01400     04.87
                OBS      01500     04.67
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TABLE IV.—Continued

REFID 31 8088	YEAR 1969	BOTDP 03658	AIR TEMP 16.1	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 03	SHIP F7	WET BULB 12.6	28 1 4	WIND-SPD 28	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 07	DATA USE 1	BAROMETR 1012.2	SEA	WIND-FOR	DURATION 01.9	2 SQUARE 46
LONG 048 00 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E24 006	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.60	36.450	26.50		1517.1							
	OBS	00010	17.60											
	OBS	00020	17.60											
	OBS	00030	17.60											
	OBS	00050	17.61											
	OBS	00075	17.61											
	OBS	00100	17.60											
	OBS	00125	17.47											
	OBS	00150	17.32											
	OBS	00200	17.37											
	OBS	00250	17.37											
	OBS	00300	17.31											
	OBS	00340	17.19											
	OBS	00400	16.51											
	OBS	00440	16.48											
	OBS	00500	15.69											
	OBS	00600	14.34											
	OBS	00700	12.92											
	OBS	00800	11.19											
	OBS	00900	08.85											
	OBS	00930	08.27											
	OBS	00970	08.30											
	OBS	01000	07.57											
	OBS	01010	07.20											
	OBS	01100	06.42											

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REFID 31 8088	YEAR 1969	BOTDP 04752	AIR TEMP 16.9	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 03	SHIP F7	WET BULB 13.2	26 3 3	WIND-SPD 22	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 07	DATA USE 1	BAROMETR 1011.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 48 W	HOUR 17.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E24 007	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	17.49	36.450	26.53		1516.7							
	OBS	00010	17.49											
	OBS	00020	17.45											
	OBS	00030	17.39											
	OBS	00050	17.39											
	OBS	00075	17.39											
	OBS	00100	17.39											
	OBS	00125	17.39											
	OBS	00150	17.36											
	OBS	00200	17.32											
	OBS	00250	17.28											
	OBS	00300	17.28											
	OBS	00400	17.11											
	OBS	00430	16.60											
	OBS	00500	16.45											
	OBS	00505	16.51											
	OBS	00600	15.56											
	OBS	00700	13.67											
	OBS	00800	11.63											
	OBS	00900	09.60											
	OBS	00940	09.25											
	OBS	00970	07.77											
	OBS	01000	07.19											
	OBS	01015	06.89											
	OBS	01040	07.18											
	OBS	01100	06.51											
	OBS	01120	06.69											
	OBS	01200	05.87											
	OBS	01300	05.40											
	OBS	01400	04.96											
	OBS	01490	04.66											

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TABLE IV.—Continued

REFID 31 8088	YEAR 1969	BOTDP 04297	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 03	SHIP F7	WET BULB 14.3	23 2 3	WIND-SPD 20	TRACE DIR U	5 SQUARE 4
LAT 35 00 N	DAY 07	DATA USE 1	BAROMETR 1009.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 48 W	HOUR 23.8	AREA 65	CLOUD T/A	CL/TR	WEATHER X1	ORIG E24 008	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	17.37	36.448	26.55		1516.4							
	OBS	00010	17.37											
	OBS	00020	17.37											
	OBS	00030	17.36											
	OBS	00050	17.34											
	OBS	00075	17.34											
	OBS	00100	17.34											
	OBS	00125	17.34											
	OBS	00150	17.34											
	OBS	00200	17.34											
	OBS	00250	17.34											
	OBS	00300	17.34											
	OBS	00375	17.34											
	OBS	00400	17.06											
	OBS	00450	16.60											
	OBS	00500	16.50											
	OBS	00560	16.32											
	OBS	00600	15.49											
	OBS	00700	13.22											
	OBS	00800	11.87											
	OBS	00900	09.69											
	OBS	01000	07.71											
	OBS	01100	06.19											
	OBS	01200	05.39											
	OBS	01215	05.47											
	OBS	01300	05.11											
	OBS	01400	04.97											
	OBS	01490	04.73											

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REFID 31 8088	YEAR 1969	BOTDP 05029	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 03	SHIP F7	WET BULB 16.0	24 7 4	WIND-SPD 24	TRACE DIR D	5 SQUARE 4
LAT 36 12 N	DAY 10	DATA USE 1	BAROMETR 0984.8	SEA	WIND-FOR	DURATION 01.5	2 SQUARE 68
LONG 049 14 W	HOUR 17.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E24 009	1 SQUARE 69

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	17.36	36.449	26.56		1516.4							
	OBS	00010	17.36											
	OBS	00020	17.33											
	OBS	00030	17.32											
	OBS	00050	17.33											
	OBS	00075	17.33											
	OBS	00100	17.33											
	OBS	00125	17.34											
	OBS	00150	17.34											
	OBS	00200	17.35											
	OBS	00250	17.36											
	OBS	00300	17.36											
	OBS	00400	17.35											
	OBS	00500	17.34											
	OBS	00600	15.50											
	OBS	00700	13.67											
	OBS	00800	11.88											
	OBS	00900	10.00											
	OBS	01000	08.09											
	OBS	01100	06.84											
	OBS	01200	05.98											
	OBS	01300	05.46											

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TABLE IV.—Continued

REFID 31 8088	YEAR 1969	BOTDP 04938	AIR TEMP 14.7	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 03	SHIP F7	WET BULB 10.7	28 5 4	WIND-SPD 25	TRACE DIR D	5 SQUARE 2
LAT 34 46 N	DAY 16	DATA USE 1	BAROMETR 1006.0	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 047 50 W	HOUR 23.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E24 010	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.2	OBS	00000	17.20	36.443	26.55		1515.9							
	OBS	00010	17.20											
	OBS	00020	17.21											
	OBS	00030	17.21											
	OBS	00050	17.22											
	OBS	00075	17.22											
	OBS	00100	17.23											
	OBS	00125	17.23											
	OBS	00150	17.23											
	OBS	00200	17.24											
	OBS	00250	17.25											
	OBS	00300	17.25											
	OBS	00400	17.23											
	OBS	00500	16.43											
	OBS	00600	14.80											
	OBS	00700	12.70											
	OBS	00800	11.28											
	OBS	00900	08.95											
	OBS	01000	06.86											
	OBS	01100	05.87											
	OBS	01200	05.22											
	OBS	01300	05.03											
	OBS	01310	05.07											
	OBS	01400	04.87											
	OBS	01500	04.59											

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REFID 31 8088	YEAR 1969	BOTDP 04063	AIR TEMP 13.8	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 03	SHIP F7	WET BULB 09.6	33 1 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 10 N	DAY 20	DATA USE 1	BAROMETR 1015.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 15 W	HOUR 12.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E24 011	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	17.10	36.435	26.61		1515.6							
	OBS	00010	17.11											
	OBS	00020	17.11											
	OBS	00030	17.11											
	OBS	00050	17.11											
	OBS	00075	17.11											
	OBS	00100	17.11											
	OBS	00125	17.11											
	OBS	00150	17.12											
	OBS	00200	17.13											
	OBS	00250	17.13											
	OBS	00300	17.14											
	OBS	00400	17.15											
	OBS	00500	17.15											
	OBS	00510	17.15											
	OBS	00600	15.58											
	OBS	00700	13.33											
	OBS	00800	11.13											
	OBS	00900	09.33											
	OBS	01000	08.03											
	OBS	01100	06.22	35.057	27.59		1494.2							
	OBS	01160	05.62	35.046	27.66		1492.8							
	OBS	01200	05.68	35.056	27.66		1493.7							
	OBS	01230	05.71	35.072	27.67		1494.4							
	OBS	01300	05.61	35.057	27.67		1495.1							
	OBS	01370	05.56	35.057	27.67		1496.1							
	OBS	01400	05.58	35.057	27.67		1496.7							
	OBS	01500	04.78	35.049	27.76		1495.1							

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TABLE IV.—Continued

REFID 31 8088 YEAR 1969 BOTDP 01829 AIR TEMP 18.0 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 03 SHIP F7 WET BULB 16.0 32 9 5 WIND-SPD 30 TRACE DIR 0 5 SQUARE 4
LAT 35 00 N DAY 20 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 048 12 W HOUR 23.2 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E24 012 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.2	OBS	00000	17.10											
	OBS	00010	17.10											
	OBS	00020	17.10											
	OBS	00030	17.11											
	OBS	00050	17.12											
	OBS	00075	17.13											
	OBS	00100	17.13											
	OBS	00125	17.14											
	OBS	00150	17.14											
	OBS	00175	17.14											
	OBS	00200	17.15											
	OBS	00250	17.16											
	OBS	00300	17.16											
	OBS	00400	17.17											
	OBS	00500	17.15											
	OBS	00600	15.38											
	OBS	00700	13.33											
	OBS	00800	11.28											
	OBS	00900	09.43											
	OBS	01000	07.30	35.079	27.46		1496.7							
	OBS	01100	05.91	35.028	27.61		1492.8							
	OBS	01120	05.62	35.035	27.65		1492.0							
	OBS	01150	05.68	35.062	27.66		1492.7							
	OBS	01200	05.46	35.065	27.69		1492.7							
	OBS	01300	05.15	35.058	27.72		1493.1							
	OBS	01400	04.89	35.050	27.75		1493.7							
	OBS	01500	04.68	35.041	27.77		1494.5							

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REFID 31 8088 YEAR 1969 BOTDP 04023 AIR TEMP 17.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 03 SHIP F7 WET BULB 11.2 36 5 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 42 N DAY 22 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 16 W HOUR 22.2 AREA 05 CLOUD T/A 5/2 CL/TR WEATHER X1 ORIG E24 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.2	OBS	00000	17.06	36.434	26.62		1515.5							
22.2	OBS	00025	17.05	36.435	26.62		1515.8							
22.2	OBS	00051	17.02	36.429	26.62		1516.2							
22.2	OBS	00077	17.03	36.432	26.62		1516.6							
22.2	OBS	00103	17.06											
22.2	OBS	00155	17.07	36.432	26.61		1518.0							
22.2	OBS	00206	17.06	36.434	26.62		1518.8							
22.2	OBS	00310	17.09	36.435	26.61		1520.6							
22.2	OBS	T00418	17.06	36.431	26.61		1522.3							
22.2	OBS	00519	16.81	36.403	26.65		1523.2							
22.2	OBS	T00624	14.79	35.966	26.78		1518.2							
22.2	OBS	00831	10.27	35.310	27.17		1505.4							
22.2	OBS	T01037	06.58	35.081	27.56		1494.6							
22.2	OBS	T01554	04.39	35.031	27.79		1494.3							

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REFID 31 8088 YEAR 1969 BOTDP 04755 AIR TEMP 14.4 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 03 SHIP F7 WET BULB 10.6 02 5 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 48 N DAY 23 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.5 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E24 014 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	17.05	36.421	26.61		1515.4							
12.5	OBS	00028	17.02	36.419	26.62		1515.8							
12.5	OBS	00056	16.99	36.421	26.62		1516.2							
12.5	OBS	00085	16.98	36.417	26.62		1516.6							
12.5	OBS	00114	17.01	36.426	26.62		1517.2							
12.5	OBS	00170	17.03	36.410	26.61		1518.1							
12.5	OBS	T00228	17.00	36.427	26.63		1519.0							
12.5	OBS	00340	17.04	36.415	26.61		1521.0							
12.5	OBS	T00450	16.27	36.230	26.65		1520.2							
12.5	OBS	00563	15.13	36.018	26.74		1518.3							
12.5	OBS	T00678	13.39	35.739	26.90		1514.2							
12.5	OBS	00902	08.21	35.138	27.37		1498.8							
12.5	OBS	T01133	05.91	35.108	27.67		1493.6							
12.5	OBS	T01688	04.21	35.008	27.79		1495.8							

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TABLE IV.—Continued

REFID	31 8088	YEAR 1969	BOTDP 04389	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 13	INST NANSEN CAST	TEN SQ 1206
CONSEC	0015	MONTH 03	SHIP F7	WET BULB 13.6	14 3 2	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT	35 14 N	DAY 23	DATA USE 1	BAROMETR 1019.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG	048 20 W	HOUR 17.9	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG 624 G15	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	17.04	36.412	26.61		1515.6							
17.9	OBS	00028	17.01	36.415	26.61		1515.7							
17.9	OBS	00050	16.94	36.412	26.63		1515.9							
17.9	OBS	00073	16.97	36.412	26.62		1516.4							
17.9	OBS	00099	17.01	36.410	26.61		1516.9							
17.9	OBS	00143	17.01	36.412	26.61		1517.6							
17.9	OBS	T00185	16.99	36.413	26.62		1518.3							
17.9	OBS	00278	17.02	36.408	26.61		1519.9							
17.9	OBS	T00365	17.02	36.429	26.62		1521.3							
17.9	OBS	00451	17.02	36.427	26.62		1522.7							
17.9	OBS	T00544	15.22	36.034	26.74		1518.3							
17.9	OBS	00726		35.568										
17.9	OBS	T00917	08.10	35.118	27.37		1498.6							
17.9	OBS	T01433	04.79	35.054	27.76		1494.0							

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REFID	31 8088	YEAR 1969	BOTDP 02926	AIR TEMP 17.0	DIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1206
CONSEC	0016	MONTH 03	SHIP F7	WET BULB 14.4	09 5 2	WIND-SPD 25	TRACE DIR	5 SQUARE 4
LAT	35 00 N	DAY 25	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG	048 12 W	HOUR 12.4	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG 624 016	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	17.02	36.413	26.61		1515.3							
12.4	OBS	00023	17.02	36.412	26.61		1515.7							
12.4	OBS	00040	17.00	36.413	26.62		1515.9							
12.4	OBS	00063	16.97	36.413	26.62		1516.2							
12.4	OBS	00086	17.02	36.411	26.61		1516.7							
12.4	OBS	00126	17.03	36.413	26.61		1517.4							
12.4	OBS	T00163	17.02	36.411	26.61		1518.0							
12.4	OBS	00247	17.02	36.412	26.61		1519.4							
12.4	OBS	T00322	17.06	36.430	26.61		1520.7							
12.4	OBS	00398	17.05	36.421	26.61		1521.9							
12.4	OBS	T00475	17.00	36.411	26.61		1523.1							
13.1	OBS	T00963	07.81											

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TABLE V.--Observed and interpolated oceanographic data for stations taken by USCGC YAKUTAT at Ocean Station ECHO, 26 March 1969 - 18 April 1969, prepared from NODC listing No. 31 - 8094.

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 03931 AIR TEMP 16.8 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 03 SHIP YA WET BULB 15.2 09 1 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 27 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 15 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.02	36.413	26.61		1515.3							
	OBS	00010	17.01	36.413	26.61		1515.4							
	OBS	00020	17.01	36.412	26.61		1515.6							
	OBS	00030	17.01	36.413	26.61		1515.8							
	OBS	00050	17.01	36.415	26.61		1516.1							
	OBS	00075	16.99	36.413	26.62		1516.5							
	OBS	00100	16.99	36.414	26.62		1516.9							
	OBS	00125	16.99	36.413	26.62		1517.3							
	OBS	00150	16.99	36.416	26.62		1517.7							
	OBS	00200	16.99	36.425	26.63		1518.5							
	OBS	00250	16.98	36.424	26.63		1519.3							
	OBS	00300	16.98	36.423	26.63		1520.1							
	OBS	00400	16.93	36.416	26.63		1521.6							
	OBS	00450	16.91	36.434	26.65		1522.4							
	OBS	00500	15.78	36.151	26.70		1519.4							
	OBS	00600	14.29	35.770	26.74		1515.9							
	OBS	00700	12.66	35.625	26.96		1512.0							
	OBS	00800	10.78	35.381	27.13		1506.8							
	OBS	00900	09.06	35.256	27.33		1502.1							
	OBS	01000	07.58	35.168	27.49		1498.0							
	OBS	01070	06.33	35.040	27.56		1494.1							
	OBS	01100	06.42	35.160	27.64		1495.1							
	OBS	01110	06.45	35.159	27.64		1495.4							
	OBS	01200	05.86	35.106	27.68		1494.5							
	OBS	01300	05.29	35.080	27.73		1493.8							
	OBS	01400	04.92	35.060	27.75		1494.0							
	OBS	01500	04.73	35.052	27.77		1494.9							

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REFID 31 8094 YEAR 1969 BOTOP 03849 AIR TEMP 16.7 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 03 SHIP YA WET BULB 15.0 11 3 2 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 57 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 004 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.28	36.437	26.57		1516.1							
	OBS	00010	17.27	36.438	26.57		1516.3							
	OBS	00020	17.27	36.440	26.57		1516.4							
	OBS	00030	17.26	36.440	26.57		1516.6							
	OBS	00050	17.24	36.437	26.58		1516.8							
	OBS	00075	17.12	36.430	26.60		1516.9							
	OBS	00100	17.12	36.441	26.61		1517.3							
	OBS	00125	17.12	36.448	26.61		1517.7							
	OBS	00150	17.11	36.437	26.61		1518.1							
	OBS	00200	16.94	36.396	26.62		1518.3							
	OBS	00250	16.99	36.425	26.63		1519.3							
	OBS	00300	16.97	36.439	26.64		1520.1							
	OBS	00400	16.98	36.441	26.64		1521.8							
	OBS	00490	16.94	36.413	26.63		1523.1							
	OBS	00500	16.64	36.314	26.63		1522.3							
	OBS	00520	16.09	36.183	26.65		1520.8							
	OBS	00550	15.60	36.100	26.70		1519.7							
	OBS	00580	14.83	35.954	26.76		1517.5							
	OBS	00600	14.52	35.929	26.81		1516.9							
	OBS	00620	14.23	35.849	26.81		1516.2							
	OBS	00670	13.35	35.727	26.90		1513.9							
	OBS	00700	12.72	35.646	26.97		1512.2							
	OBS	00750	12.18	35.553	27.00		1511.1							
	OBS	00800	10.90	35.421	27.14		1507.3							
	OBS	00830	10.17	35.320	27.19		1505.1							
	OBS	00850	09.67	35.240	27.21		1503.5							
	OBS	00900	08.65	35.177	27.33		1500.4							
	OBS	00950	07.76	35.107	27.41		1497.8							
	OBS	01000	06.89	35.073	27.51		1495.2							
	OBS	01050	06.43	35.096	27.59		1494.3							
	OBS	01100	06.39	35.128	27.62		1495.0							
	OBS	01200	05.68	35.110	27.70		1493.8							
	OBS	01300	05.15	35.078	27.74		1493.3							
	OBS	01400	04.79	35.052	27.76		1493.4							
	OBS	01500	04.51	35.031	27.78		1493.9							

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TABLE V.—Continued

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04297 AIR TEMP 17.1 DIR HGT PER #IND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0007 MONTH 03 SHIP YA WET BULB 15.8 12 3 3 #IND-SPD 15 TRACE DIR 0 5 SQUARE 4
LAT 35 00 N DAY 28 DATA USE 1 BAROMETR 1026.4 SEA #IND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 04 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR #EATHER X1 ORIG E25 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.28	36.431	26.56		1516.1							
	OBS	00010	17.27	36.432	26.56		1516.2							
	OBS	00020	17.27	36.431	26.56		1516.4							
	OBS	00030	17.25	36.432	26.57		1516.5							
	OBS	00050	17.24	36.438	26.58		1516.8							
	OBS	00075	17.23	36.441	26.58		1517.2							
	OBS	00100	17.23	36.444	26.58		1517.6							
	OBS	00125	17.23	36.448	26.59		1518.0							
	OBS	00150	17.23	36.448	26.59		1518.4							
	OBS	00200	17.13	36.444	26.61		1519.0							
	OBS	00250	17.10	36.434	26.61		1519.7							
	OBS	00300	17.06	36.441	26.62		1520.4							
	OBS	00400	17.06	36.452	26.63		1522.0							
	OBS	00440	17.05	36.437	26.62		1522.7							
	OBS	00500	16.15	36.191	26.65		1520.6							
	OBS	00600	14.64	36.92 P	27.55Q									
	OBS	00700	12.87	35.677	26.96		1512.8							
	OBS	00800	10.86	35.429	27.15		1507.2							
	OBS	00850	09.50	35.259	27.26		1502.9							
	OBS	00870	09.14	35.200	27.27		1501.8							
	OBS	00880	09.06	35.2b0	27.33		1501.7							
	OBS	00900	08.69	35.187	27.33		1500.6							
	OBS	00940	07.96	35.155	27.42		1498.5							
	OBS	00960	07.84	35.203	27.48		1498.4							
	OBS	00970	07.49	35.134	27.47		1497.1							
	OBS	01000	06.85	35.095	27.53		1495.1							
	OBS	01050	06.45	35.116	27.61		1494.4							
	OBS	01065	06.58	35.184	27.64		1495.2							
	OBS	01100	06.26	35.148	27.66		1494.5							
	OBS	01200	05.60	35.096	27.70		1493.4							
	OBS	01300	05.15	35.087	27.75		1493.3							
	OBS	01400	04.75	35.052	27.77		1493.3							
	OBS	01500	04.48	35.033	27.78		1493.8							

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REFID 31 8094 YEAR 1969 BOTDP 03895 AIR TEMP 17.3 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0008 MONTH 03 SHIP YA WET BULB 15.7 13 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
LAT 35 02 N DAY 28 DATA USE 1 BAROMETR 1025.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 11 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.30	36.442	26.57		1516.2							
	OBS	00010	17.30	36.444	26.57		1516.3							
	OBS	00020	17.30	36.445	26.57		1516.5							
	OBS	00030	17.30	36.447	26.57		1516.7							
	OBS	00050	17.21	36.444	26.59		1516.7							
	OBS	00075	17.10	36.433	26.61		1516.8							
	OBS	00100	17.02	36.432	26.63		1517.0							
	OBS	00125	17.00	36.432	26.63		1517.3							
	OBS	00150	17.01	36.437	26.63		1517.8							
	OBS	00200	17.00	36.438	26.63		1518.6							
	OBS	00250	16.99	36.441	26.64		1519.4							
	OBS	00300	16.99	36.442	26.64		1520.2							
	OBS	00400	16.99	36.450	26.65		1521.8							
	OBS	00460	16.99	36.437	26.64		1522.8							
	OBS	00500	16.11	36.233	26.69		1520.6							
	OBS	00600	14.73	35.950	26.78		1517.6							
	OBS	00700	12.57	35.616	26.97		1511.7							
	OBS	00800	10.57	35.360	27.15		1506.1							
	OBS	00900	08.52	35.140	27.32		1499.9							
	OBS	01000	06.87	35.062	27.51		1495.1							
	OBS	01100	06.16	35.100	27.63		1494.0							
	OBS	01150	05.77	35.048	27.64		1493.2							
	OBS	01200	05.34	35.100	27.74		1492.4							
	OBS	01300	05.26	35.092	27.74		1493.7							
	OBS	01400	04.84	35.062	27.76		1493.6							
	OBS	01500	04.50	35.034	27.78		1493.9							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 03292	AIR TEMP 17.9	DIR HGT PER	#IND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 03	SHIP YA	WET BULB 15.3	12 2 3	#IND-SPD 16	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 28	DATA USE 1	BAROMETR 1028.9	SEA	#IND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 09 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 009	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	17.16	36.451	26.61		1515.8							
	OBS	00010	17.16	36.449	26.60		1515.9							
	OBS	00020	17.15	36.434	26.60		1516.1							
	OBS	00030	17.02	36.439	26.63		1515.8							
	OBS	00050	17.00	36.440	26.64		1516.1							
	OBS	00075	16.58	36.443	26.64		1516.5							
	OBS	00100	16.98	36.445	26.64		1516.9							
	OBS	00125	16.58	36.447	26.65		1517.3							
	OBS	00150	16.98	36.447	26.65		1517.7							
	OBS	00200	16.98	36.456	26.65		1518.5							
	OBS	00250	16.97	36.463	26.66		1519.3							
	OBS	00300	16.96	36.451	26.65		1520.1							
	OBS	00400	16.85	36.419	26.66		1521.4							
	OBS	00500	15.45	36.089	26.73		1518.3							
	OBS	00600	14.18	35.888	26.85		1515.7							
	OBS	00608	13.94	35.827	26.86		1515.0							
	OBS	00632	13.56	35.729	26.86		1514.0							
	OBS	00637	13.35	35.756	26.92		1513.4							
	OBS	00700	12.77	35.653	26.96		1512.4							
	OBS	00800	10.73	35.440	27.19		1506.7							
	OBS	00900	08.89	35.207	27.32		1501.4							
	OBS	01000	07.12	35.111	27.51		1496.2							
	OBS	01100	05.61	35.058	27.67		1491.8							
	OBS	01142	05.42	35.043	27.68		1491.7							
	OBS	01179	05.38	35.113	27.74		1492.2							
	OBS	01200	05.41	35.107	27.73		1492.7							
	OBS	01300	05.01	35.084	27.76		1492.7							
	OBS	01400	04.74	35.066	27.78		1493.2							
	OBS	01500	04.47	35.041	27.79		1493.8							

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REFID 31 8094	YEAR 1969	BOTDP 04206	AIR TEMP	DIR HGT PER	#IND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 03	SHIP YA	WET BULB		#IND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 28	DATA USE 1	BAROMETR	SEA	#IND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 02 W	HOUR 17.6	AREA 05	CLOUD T/A	CL/TR	WEATHER	ORIG E25 010	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
17.6	OBS	00000	17.54	36.453	26.52		1516.9							
	OBS	00010	17.51	36.433	26.51		1516.9							
	OBS	00020	17.38	36.450	26.55		1516.8							
	OBS	00030	17.31	36.451	26.57		1516.7							
	OBS	00050	17.25	36.455	26.59		1516.9							
	OBS	00075	17.19	36.435	26.59		1517.1							
	OBS	00100	16.99	36.428	26.63		1516.9							
	OBS	00125	16.99	36.429	26.63		1517.3							
	OBS	00150	16.98	36.419	26.62		1517.7							
	OBS	00200	16.92	36.438	26.65		1518.3							
	OBS	00250	16.94	36.455	26.66		1519.2							
	OBS	00300	16.96	36.456	26.66		1520.1							
	OBS	00400	16.97	36.458	26.66		1521.8							
	OBS	00500	15.95	36.162	26.67		1520.0							
	OBS	00600	14.44	35.920	26.82		1516.6							
	OBS	00700	12.58	35.596	26.96		1511.7							
	OBS	00800	10.60	35.361	27.15		1506.2							
	OBS	00900	08.63	35.156	27.32		1500.3							
	OBS	01000	07.01	35.095	27.51		1495.7							
	OBS	01100	06.36	35.163	27.66		1494.9							
	OBS	01200	05.61	35.098	27.70		1493.5							
	OBS	01300	05.13	35.085	27.75		1493.2							
	OBS	01400	04.71	35.046	27.77		1493.1							
	OBS	01500	04.45	35.029	27.78		1493.7							
	OBS	01750	04.04	35.004	27.81		1496.1							
	OBS	02000	03.73	34.980	27.82		1499.1							
	OBS	02500	03.22	34.955	27.85		1505.4							
	OBS	03000	02.77	34.928	27.87		1512.1							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04023 AIR TEMP 17.2 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 03 SHIP YA WET BULB 15.8 12 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
LAT 35 06 N DAY 29 DATA USE 1 BAROMETR 1029.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 54 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	17.31	36.443	26.56		1516.2							
	OBS	00010	17.30	36.443	26.57		1516.3							
	OBS	00020	17.13	36.432	26.60		1516.0							
	OBS	00030	17.06	36.433	26.62		1516.0							
	OBS	00050	17.03	36.435	26.63		1516.2							
	OBS	00075	17.01	36.437	26.63		1516.5							
	OBS	00100	17.00	36.437	26.63		1516.9							
	OBS	00125	17.00	36.439	26.64		1517.3							
	OBS	00150	17.00	36.440	26.64		1517.7							
	OBS	00200	17.00	36.444	26.64		1518.6							
	OBS	00250	16.99	36.443	26.64		1519.4							
	OBS	00300	16.97	36.432	26.64		1520.1							
	OBS	00400	16.97	36.449	26.65		1521.8							
	OBS	00450	16.95	36.437	26.65		1522.5							
	OBS	00500	15.76	36.138	26.69		1519.4							
	OBS	00600	14.40	35.908	26.82		1516.4							
	OBS	00700	12.48	35.646	27.01		1511.4							
	OBS	00800	10.15	35.352	27.22		1504.5							
	OBS	00850	09.44	35.290	27.29		1502.7							
	OBS	00860	09.43	35.334	27.33		1502.9							
	OBS	00900	08.82	35.212	27.33		1501.1							
	OBS	01000	06.89	35.112	27.54		1495.3							
	OBS	01060	06.16	35.113	27.64		1493.4							
	OBS	01080	06.26	35.122	27.64		1494.1							
	OBS	01100	06.20	35.124	27.65		1494.2							
	OBS	01200	05.69	35.114	27.70		1493.8							
	OBS	01300	05.06	35.090	27.76		1492.9							
	OBS	01400	04.72	35.056	27.77		1493.1							
	OBS	01500	04.45	35.032	27.78		1493.7							

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REFID 31 8094 YEAR 1969 BOTDP 03840 AIR TEMP 17.9 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 03 SHIP YA WET BULB 16.6 13 3 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 35 08 N DAY 29 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 012 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	17.14	36.444	26.61		1515.7							
	OBS	00010	17.14	36.434	26.60		1515.9							
	OBS	00020	17.04	36.435	26.62		1515.7							
	OBS	00030	17.03	36.436	26.63		1515.9							
	OBS	00050	17.01	36.435	26.63		1516.1							
	OBS	00075	17.00	36.433	26.63		1516.5							
	OBS	00100	16.99	36.437	26.64		1516.9							
	OBS	00125	16.99	36.439	26.64		1517.3							
	OBS	00150	16.99	36.439	26.64		1517.7							
	OBS	00200	16.99	36.443	26.64		1518.5							
	OBS	00250	16.96	36.445	26.65		1519.3							
	OBS	00300	16.96	36.462	26.66		1520.1							
	OBS	00350	16.95	36.461	26.66		1520.9							
	OBS	00400	16.74	36.397	26.67		1521.0							
	OBS	00500	15.40	36.083	26.73		1518.2							
	OBS	00600	14.06	35.839	26.84		1515.3							
	OBS	00700	12.20	35.547	26.99		1510.3							
	OBS	00800	10.15	35.301	27.18		1504.5							
	OBS	00810	09.96	35.319	27.23		1504.0							
	OBS	00820	09.96	35.339	27.24		1504.2							
	OBS	00900	08.89	35.232	27.34		1501.4							
	OBS	00940	07.98	35.225	27.47		1498.6							
	OBS	00950	08.01	35.225	27.47		1498.9							
	OBS	01000	07.22	35.161	27.53		1496.6							
	OBS	01100	05.71	35.037	27.64		1492.1							
	OBS	01160	05.26	35.061	27.71		1491.3							
	OBS	01180	05.43	35.096	27.72		1492.4							
	OBS	01200	05.48	35.104	27.72		1493.0							
	OBS	01300	05.07	35.088	27.76		1492.9							
	OBS	01400	04.61	35.047	27.78		1492.7							
	OBS	01500	04.50	35.053	27.80		1493.9							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04023	AIR TEMP 18.1	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1206
CONSEC 0013	MONTH 03	SHIP YA	WET BULB 16.7	15 2 4	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 07.5N	DAY 29	DATA USE 1	BAROMETR 1030.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 02 W	HOUR 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E25 013	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	17.06	36.425	26.61		1515.4							
	OBS	00010	17.06	36.422	26.61		1515.6							
	OBS	00020	17.06	36.413	26.60		1515.8							
	OBS	00030	17.01	36.417	26.62		1515.8							
	OBS	00050	16.99	36.423	26.63		1516.1							
	OBS	00075	16.98	36.424	26.63		1516.4							
	OBS	00100	16.98	36.425	26.63		1516.8							
	OBS	00125	16.98	36.427	26.63		1517.3							
	OBS	00150	16.97	36.427	26.63		1517.6							
	OBS	00200	16.99	36.452	26.65		1518.6							
	OBS	00250	16.98	36.450	26.65		1519.3							
	OBS	00300	16.96	36.443	26.65		1520.1							
	OBS	00400	16.82	36.419	26.66		1521.3							
	OBS	00450	16.70	36.397	26.67		1521.7							
	OBS	00500	15.54	36.086	26.71		1518.6							
	OBS	00600	14.36	35.873	26.80		1516.3							
	OBS	00700	12.10	35.544	27.01		1510.0							
	OBS	00800	10.17	35.292	27.17		1504.5							
	OBS	00900	08.28	35.100	27.33		1498.9							
	OBS	00910	08.09	35.076	27.34		1498.4							
	OBS	00950	07.56	35.181	27.50		1497.1							
	OBS	00975	07.27	35.174	27.54		1496.4							
	OBS	01000	06.90	35.129	27.55		1495.3							
	OBS	01100	05.62	35.012	27.63		1491.7							
	OBS	01200	04.92	35.001	27.71		1490.5							
	OBS	01280	04.77	35.018	27.74		1491.3							
	OBS	01300	04.82	35.041	27.75		1491.9							
	OBS	01320	04.94	35.060	27.75		1492.7							
	OBS	01400	04.66	35.038	27.77		1492.9							
	OBS	01500	04.45	35.028	27.78		1493.7							

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REFID 31 8094	YEAR 1969	BOTDP 01920	AIR TEMP 19.7	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0014	MONTH 03	SHIP YA	WET BULB 17.8	13 2 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 08 N	DAY 29	DATA USE 1	BAROMETR 1029.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 01 W	HOUR 19.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 014	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.0	OBS	00000	17.63	36.444	26.49		1517.1							
	OBS	00010	17.48	36.444	26.52		1516.9							
	OBS	00020	17.33	36.439	26.56		1516.6							
	OBS	00030	17.25	36.443	26.58		1516.5							
	OBS	00050	17.23	36.449	26.59		1516.8							
	OBS	00075	17.16	36.442	26.60		1517.0							
	OBS	00100	17.13	36.440	26.60		1517.3							
	OBS	00125	17.11	36.437	26.61		1517.7							
	OBS	00150	17.07	36.438	26.62		1518.0							
	OBS	00200	17.00	36.434	26.63		1518.6							
	OBS	00250	16.99	36.432	26.63		1519.3							
	OBS	00300	16.91	36.420	26.64		1519.9							
	OBS	00400	16.92	36.449	26.66		1521.6							
	OBS	00430	16.91	36.436	26.65		1522.1							
	OBS	00470	16.36	36.334	26.71		1521.0							
	OBS	00500	16.23	36.303	26.71		1521.0							
	OBS	00550	15.84	36.189	26.72		1520.5							
	OBS	00600	14.49	35.889	26.79		1516.7							
	OBS	00700	12.45	35.603	26.99		1511.3							
	OBS	00800	10.92	35.322	27.06		1507.2							
	OBS	00900	08.09	35.097	27.36		1498.2							
	OBS	00950	07.42	35.113	27.47		1496.5							
	OBS	00970	07.48	35.163	27.50		1497.1							
	OBS	01000	06.98	35.148	27.56		1495.7							
	OBS	01100	06.08	35.118	27.66		1493.7							
	OBS	01200	05.53	35.094	27.71		1493.1							
	OBS	01300	04.97	35.081	27.76		1492.5							
	OBS	01400	04.66	35.038	27.77		1492.9							
	OBS	01500	04.45	35.023	27.78		1493.7							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04087	AIR TEMP	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 03	SHIP YA	WET BULB	16 2 5	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 30	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 09 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E25 015	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.53	36.445	26.51		1516.9							
	OBS	00010	17.48	36.442	26.52		1516.9							
	OBS	00020	17.41	36.445	26.54		1516.8							
	OBS	00030	17.36	36.432	26.54		1516.8							
	OBS	00050	17.16	36.430	26.59		1516.6							
	OBS	00075	17.11	36.433	26.60		1516.8							
	OBS	00100	17.11	36.434	26.61		1517.2							
	OBS	00125	17.09	36.435	26.61		1517.0							
	OBS	00150	17.09	36.435	26.61		1518.0							
	OBS	00200	17.08	36.438	26.62		1518.8							
	OBS	00250	17.07	36.439	26.62		1519.6							
	OBS	00300	17.05	36.438	26.62		1520.4							
	OBS	00400	17.05	36.444	26.63		1522.0							
	OBS	00490	17.02	36.437	26.63		1523.4							
	OBS	00500	16.84	36.383	26.63		1523.0							
	OBS	00600	15.19	35.981	26.70		1519.0							
	OBS	00700	13.23	35.716	26.92		1514.0							
	OBS	00800	10.57	35.326	27.13		1506.0							
	OBS	00900	08.60	35.203	27.36		1500.3							
	OBS	00972	07.59	35.120	27.45		1497.5							
	OBS	00987	07.41	35.210	27.55		1497.2							
	OBS	01000	07.44	35.192	27.53		1497.5							
	OBS	01100	06.41	35.152	27.64		1495.1							
	OBS	01200	05.71	35.113	27.70		1493.9							
	OBS	01250	05.23	35.074	27.73		1492.7							
	OBS	01300	05.22	35.079	27.73		1493.5							
	OBS	01400	04.69	35.037	27.76		1493.0							
	OBS	01500	04.37	35.022	27.79		1493.3							

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REFID 31 8094	YEAR 1969	BOTDP 04755	AIR TEMP 17.1	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 03	SHIP YA	WET BULB 16.0	21 1 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 34 53 N	DAY 30	DATA USE 1	BAROMETR 1029.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 016	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.46	36.442	26.53		1516.7							
	OBS	00010	17.43	36.425	26.52		1516.7							
	OBS	00020	17.30	36.434	26.56		1516.5							
	OBS	00030	17.26	36.434	26.57		1516.5							
	OBS	00050	17.16	36.439	26.60		1516.6							
	OBS	00075	17.13	36.441	26.61		1516.9							
	OBS	00100	17.12	36.440	26.61		1517.3							
	OBS	00125	17.10	36.433	26.61		1517.6							
	OBS	00150	17.09	36.435	26.61		1518.0							
	OBS	00200	17.09	36.437	26.61		1518.8							
	OBS	00250	17.05	36.438	26.62		1519.5							
	OBS	00300	17.05	36.438	26.62		1520.4							
	OBS	00400	17.04	36.438	26.62		1522.0							
	OBS	00420	17.04	36.439	26.63		1522.3							
	OBS	00500	16.18	36.175	26.63		1520.7							
	OBS	00600	14.88	35.951	26.75		1518.0							
	OBS	00700	12.79	35.626	26.94		1512.4							
	OBS	00800	10.86	35.410	27.14		1507.1							
	OBS	00900	08.78	35.209	27.34		1501.0							
	OBS	00930	07.89	35.095	27.38		1497.9							
	OBS	00950	07.60	35.147	27.47		1497.2							
	OBS	01000	06.51	35.033	27.53		1493.7							
	OBS	01025	06.25	35.013	27.55		1493.0							
	OBS	01050	06.56	35.142	27.61		1494.8							
	OBS	01100	06.22	35.124	27.64		1494.3							
	OBS	01200	05.55	35.097	27.71		1493.2							
	OBS	01300	05.19	35.079	27.74		1493.4							
	OBS	01400	04.87	35.060	27.76		1493.8							
	OBS	01500	04.56	35.032	27.77		1494.1							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04663 AIR TEMP 17.9 DIR MGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 03 SHIP YA WET BULB 16.2 17 2 4 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2
LAT 34 51 N DAY 30 DATA USE 1 BAROMETR 1031.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 20 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 017 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.45	36.440	26.53		1516.6							
	OBS	00010	17.45	36.446	26.53		1516.8							
	OBS	00020	17.48	36.445	26.52		1517.0							
	OBS	00030	17.45	36.446	26.53		1517.1							
	OBS	00050	17.35	36.441	26.55		1517.1							
	OBS	00075	17.25	36.443	26.58		1517.3							
	OBS	00100	17.15	36.442	26.60		1517.4							
	OBS	00125	17.14	36.446	26.61		1517.8							
	OBS	00150	17.11	36.446	26.61		1518.1							
	OBS	00200	17.10	36.443	26.61		1518.9							
	OBS	00250	17.08	36.440	26.62		1519.6							
	OBS	00300	17.08	36.440	26.62		1520.4							
	OBS	00400	16.98	36.410	26.62		1521.8							
	OBS	00470	16.80	36.343	26.61		1522.3							
	OBS	00486	16.60	36.294	26.62		1521.9							
	OBS	00500	16.43	36.316	26.68		1521.6							
	OBS	00532	15.94	36.221	26.72		1520.6							
	OBS	00600	15.10	35.981	26.72		1518.8							
	OBS	00633	14.40	35.814	26.75		1516.9							
	OBS	00700	13.27	35.644	26.85		1514.1							
	OBS	00760	11.75	35.443	27.00		1509.6							
	OBS	00800	10.93	35.408	27.12		1507.4							
	OBS	00900	09.11	35.227	27.30		1502.2							
	OBS	00915	08.77	35.186	27.32		1501.1							
	OBS	00980	06.91	34.973	27.43		1494.8							
	OBS	01000	06.69	35.113	27.57		1494.5							
	OBS	01015	07.00	35.172	27.57		1496.0							
	OBS	01025	06.87	35.142	27.57		1495.6							
	OBS	01100	06.33	35.126	27.63		1494.7							
	OBS	01172	05.51	35.016	27.65		1492.5							
	OBS	01200	05.61	35.104	27.71		1493.5							
	OBS	01300	05.11	35.069	27.74		1493.1							
	OBS	01400	04.82	35.052	27.76		1493.5							
	OBS	01500	04.49	35.030	27.78		1493.8							

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REFID 31 8094 YEAR 1969 BOTDP 03200 AIR TEMP 18.0 DIR MGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 03 SHIP YA WET BULB 15.7 15 2 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 35 12 N DAY 30 DATA USE 1 BAROMETR 1029.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 52 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 018 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.64	36.436	26.48		1517.2							
	OBS	00010	17.31	36.452	26.57		1516.4							
	OBS	00020	17.26	36.452	26.58		1516.4							
	OBS	00030	17.17	36.452	26.60		1516.3							
	OBS	00050	17.07	36.460	26.63		1516.3							
	OBS	00075	17.03	36.459	26.64		1516.6							
	OBS	00100	17.03	36.459	26.64		1517.0							
	OBS	00125	17.02	36.457	26.64		1517.4							
	OBS	00150	17.01	36.455	26.65		1517.8							
	OBS	00200	17.00	36.452	26.65		1518.6							
	OBS	00250	16.93	36.443	26.66		1519.2							
	OBS	00300	16.85	36.432	26.67		1519.8							
	OBS	00400	16.59	36.346	26.66		1520.5							
	OBS	00430	16.09	36.246	26.70		1519.4							
	OBS	00450	16.20	36.295	26.71		1520.1							
	OBS	00490	14.99	36.004	26.77		1516.6							
	OBS	00500	15.14	36.084	26.79		1517.4							
	OBS	00600	13.71	35.759	26.85		1514.0							
	OBS	00700	11.77	35.394	26.96		1508.7							
	OBS	00800	10.13	35.356	27.23		1504.5							
	OBS	00900	08.50	35.232	27.40		1499.9							
	OBS	01000	06.68	35.112	27.57		1494.4							
	OBS	01020	06.50	35.111	27.60		1494.1							
	OBS	01040	06.53	35.141	27.61		1494.5							
	OBS	01100	05.94	35.117	27.67		1493.2							
	OBS	01200	05.46	35.085	27.71		1492.9							
	OBS	01300	04.95	35.068	27.76		1492.4							
	OBS	01400	04.59	35.036	27.77		1492.6							
	OBS	01500	04.41	35.023	27.78		1493.5							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04334	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0019	MONTH 03	SHIP YA	WET BULB 15.0	16 2 5	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 30	DATA USE 1	BAROMETR 1029.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 55 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 019	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	17.58	36.431	26.49		1517.0							
	OBS	00010	17.58	36.432	26.49		1517.2							
	OBS	00020	17.52	36.423	26.50		1517.1							
	OBS	00030	17.29	36.452	26.58		1516.7							
	OBS	00050	17.25	36.452	26.59		1516.9							
	OBS	00075	17.13	36.453	26.61		1516.9							
	OBS	00100	17.06	36.454	26.63		1517.1							
	OBS	00125	17.05	36.457	26.64		1517.5							
	OBS	00150	17.05	36.459	26.64		1517.9							
	OBS	00200	17.05	36.462	26.64		1518.7							
	OBS	00250	17.04	36.457	26.64		1519.5							
	OBS	00300	17.03	36.461	26.65		1520.3							
	OBS	00400	16.99	36.450	26.65		1521.8							
	OBS	00440	16.99	36.447	26.64		1522.5							
	OBS	00475	16.92	36.442	26.66		1522.9							
	OBS	00500	16.59	36.325	26.65		1522.1							
	OBS	00600	14.82	35.942	26.75		1517.8							
	OBS	00700	12.80	35.712	27.00		1512.6							
	OBS	00743	11.98	35.543	27.03		1510.3							
	OBS	00752	11.62	35.453	27.03		1509.1							
	OBS	00800	10.15	35.302	27.18		1504.5							
	OBS	00900	08.17	35.118	27.36		1498.5							
	OBS	00922	07.88	35.086	27.38		1497.8							
	OBS	00940	07.54	35.158	27.49		1496.8							
	OBS	01000	06.87	35.155	27.58		1495.2							
	OBS	01100	06.05	35.130	27.67		1493.6							
	OBS	01200	05.41	35.092	27.72		1492.7							
	OBS	01300	05.10	35.079	27.75		1493.1							
	OBS	01400	04.73	35.049	27.77		1493.2							
	OBS	01500	04.47	35.033	27.78		1493.8							

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REFID 31 8094	YEAR 1969	BOTDP 03986	AIR TEMP 17.2	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0020	MONTH 03	SHIP YA	WET BULB 15.1	13 2 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 31	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 55 W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 020	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.8	OBS	00000	17.46	36.413	26.50		1516.6							
	OBS	00010	17.45	36.413	26.51		1516.7							
	OBS	00020	17.28	36.451	26.58		1516.5							
	OBS	00030	17.21	36.451	26.59		1516.4							
	OBS	00050	17.12	36.451	26.62		1516.5							
	OBS	00075	17.06	36.458	26.64		1516.7							
	OBS	00100	17.04	36.458	26.64		1517.1							
	OBS	00125	17.04	36.458	26.64		1517.5							
	OBS	00150	17.04	36.459	26.64		1517.9							
	OBS	00200	17.04	36.461	26.64		1518.7							
	OBS	00250	17.01	36.452	26.64		1519.4							
	OBS	00300	16.98	36.450	26.65		1520.2							
	OBS	00400	16.88	36.438	26.66		1521.5							
	OBS	00450	16.85	36.415	26.65		1522.2							
	OBS	00500	15.60	36.083	26.69		1518.8							
	OBS	00540	15.22	36.030	26.73		1518.?							
	OBS	00600	14.11	35.844	26.83		1515.4							
	OBS	00700	12.17	35.604	27.04		1510.3							
	OBS	00800	09.86	35.262	27.20		1503.4							
	OBS	00900	08.06	35.156	27.41		1498.2							
	OBS	00970	07.13	35.159	27.55		1495.8							
	OBS	01000	07.16	35.154	27.54		1496.4							
	OBS	01100	06.23	35.131	27.65		1494.3							
	OBS	01200	05.62	35.103	27.70		1493.5							
	OBS	01300	05.20	35.084	27.74		1493.5							
	OBS	01400	04.75	35.051	27.77		1493.3							
	OBS	01500	04.47	35.025	27.78		1493.7							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 03840 AIR TEMP 18.0 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0021 MONTH 03 SHIP YA WET BULB 16.4 13 2 3 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4
LAT 35 03 N DAY 31 DATA USE 1 BARGMETR 1029.4 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 021 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.53	36.463	26.53		1516.9							
	OBS	00010	17.55	36.450	26.51		1517.1							
	OBS	00020	17.26	36.452	26.58		1516.4							
	OBS	00030	17.21	36.453	26.60		1516.4							
	OBS	00050	17.10	36.453	26.62		1516.4							
	OBS	00075	17.06	36.456	26.63		1516.7							
	OBS	00100	17.05	36.456	26.64		1517.1							
	OBS	00125	17.04	36.460	26.64		1517.5							
	OBS	00150	17.04	36.460	26.64		1517.9							
	OBS	00200	17.04	36.460	26.64		1518.7							
	OBS	00250	17.03	36.454	26.64		1519.5							
	OBS	00300	16.98	36.449	26.65		1520.2							
	OBS	00400	16.89	36.436	26.66		1521.5							
	OBS	00435	16.87	36.430	26.66		1522.0							
	OBS	00500	15.67	36.100	26.89		1519.0							
	OBS	00520	15.29	36.052	26.74		1518.1							
	OBS	00552	15.05	36.029	26.77		1517.9							
	OBS	00561	14.78	35.944	26.77		1517.1							
	OBS	00575	14.61	35.916	26.78		1516.7							
	OBS	00600	14.09	35.838	26.83		1515.4							
	OBS	00700	12.46	35.635	27.01		1511.3							
	OBS	00800	10.59	35.373	27.16		1506.1							
	OBS	00893	08.42	35.168	27.36		1499.4							
	OBS	00900	08.41	35.157	27.35		1499.5							
	OBS	00914	08.10	35.168	27.41		1498.6							
	OBS	00946	07.50	35.158	27.49		1496.8							
	OBS	00995	07.15	35.194	27.57		1496.3							
	OBS	01000	07.11	35.183	27.57		1496.2							
	OBS	01100	06.01	35.117	27.66		1493.4							
	OBS	01200	05.33	35.086	27.73		1492.3							
	OBS	01300	05.00	35.067	27.75		1492.6							
	OBS	01400	04.68	35.037	27.76		1493.0							
	OBS	01500	04.37	35.017	27.78		1493.3							

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REFID 31 8094 YEAR 1969 BOTDP 03006 AIR TEMP 18.0 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0022 MONTH 03 SHIP YA WET BULB 16.2 17 2 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4
LAT 35 06 N DAY 31 DATA USE 1 BARGMETR 1027.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 022 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	17.67	36.433	26.47		1517.3							
	OBS	00010	17.58	36.398	26.46		1517.1							
	OBS	00020	17.24	36.453	26.59		1516.3							
	OBS	00030	17.14	36.460	26.62		1516.2							
	OBS	00050	17.11	36.460	26.62		1516.5							
	OBS	00075	17.06	36.461	26.64		1516.7							
	OBS	00100	17.05	36.462	26.64		1517.1							
	OBS	00125	17.05	36.466	26.64		1517.5							
	OBS	00150	17.05	36.467	26.64		1517.9							
	OBS	00200	17.05	36.467	26.64		1518.7							
	OBS	00250	17.03	36.463	26.65		1519.5							
	OBS	00300	17.01	36.460	26.65		1520.3							
	OBS	00400	16.93	36.446	26.66		1521.7							
	OBS	00420	16.89	36.416	26.64		1521.8							
	OBS	00500	15.93	36.234	26.73		1520.0							
	OBS	00530	15.98	36.261	26.74		1520.7							
	OBS	00600	14.26	35.848	26.80		1515.9							
	OBS	00700	12.00	35.543	27.03		1509.7							
	OBS	00800	09.64	35.293	27.26		1502.6							
	OBS	00900	08.09	35.210	27.44		1498.4							
	OBS	01000	07.04	35.175	27.57		1495.9							
	OBS	01100	06.18	35.130	27.65		1494.1							
	OBS	01180	05.49	35.085	27.70		1492.6							
	OBS	01200	05.61	35.104	27.71		1493.5							
	OBS	01300	05.08	35.081	27.75		1493.0							
	OBS	01400	04.51	35.056	27.80		1492.3							
	OBS	01500	04.46	35.033	27.78		1493.7							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 02972	AIR TEMP 17.5	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0023	MONTH 04	SHIP YA	WET BULB 16.1	13 2 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 01	DATA USE 1	BAROMETR 1028.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 43 W	HOUR 00.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 023	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.6	OBS	00000	17.88	36.487	26.46		1517.9							
	OBS	00010	17.83	36.495	26.48		1518.0							
	OBS	00020	17.16	36.435	26.59		1516.1							
	OBS	00030	17.11	36.436	26.61		1516.1							
	OBS	00050	17.09	36.442	26.62		1516.4							
	OBS	00075	17.07	36.440	26.62		1516.7							
	OBS	00100	17.07	36.440	26.62		1517.1							
	OBS	00125	17.07	36.441	26.62		1517.5							
	OBS	00150	17.07	36.442	26.62		1518.0							
	OBS	00200	17.07	36.444	26.62		1518.8							
	OBS	00250	17.06	36.446	26.63		1519.6							
	OBS	00300	17.06	36.446	26.63		1520.4							
	OBS	00315	17.05	36.446	26.63		1520.6							
	OBS	00345	16.96	36.426	26.63		1520.8							
	OBS	00370	17.03	36.471	26.65		1521.5							
	OBS	00400	17.03	36.454	26.64		1522.0							
	OBS	00460	17.00	36.450	26.64		1522.9							
	OBS	00500	16.82	36.405	26.65		1522.9							
	OBS	00600	14.95	35.952	26.73		1518.3							
	OBS	00700	12.74	35.597	26.93		1512.2							
	OBS	00800	10.67	35.393	27.16		1506.5							
	OBS	00900	08.41	35.177	27.37		1499.5							
	OBS	01000	07.23	35.176	27.55		1496.7							
	OBS	01100	06.38	35.158	27.65		1495.0							
	OBS	01200	05.24	35.053	27.71		1491.9							
	OBS	01300	05.09	35.079	27.75		1493.0							
	OBS	01400	04.66	35.038	27.77		1492.9							
	OBS	01500	04.42	35.029	27.79		1493.5							

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REFID 31 8094	YEAR 1969	BOTDP 04572	AIR TEMP 17.0	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0024	MONTH 04	SHIP YA	WET BULB 16.0	18 3 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 01	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 02 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 024	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	18.06	36.548	26.46		1518.5							
	OBS	00010	18.06	36.548	26.46		1518.7							
	OBS	00020	18.05	36.547	26.46		1518.8							
	OBS	00030	17.83	36.497	26.48		1518.3							
	OBS	00050	17.35	36.429	26.54		1517.1							
	OBS	00075	17.20	36.435	26.58		1517.1							
	OBS	00100	17.09	36.434	26.61		1517.2							
	OBS	00125	17.06	36.433	26.62		1517.5							
	OBS	00150	17.05	36.437	26.62		1517.9							
	OBS	00200	17.05	36.440	26.62		1518.7							
	OBS	00250	17.03	36.443	26.63		1519.5							
	OBS	00300	17.03	36.446	26.63		1520.3							
	OBS	00400	16.88	36.428	26.66		1521.5							
	OBS	00500	16.70	36.394	26.67		1522.5							
	OBS	00600	14.37	35.880	26.81		1516.3							
	OBS	00700	12.74	35.663	26.98		1512.3							
	OBS	00800	10.59	35.373	27.16		1506.1							
	OBS	00900	08.71	35.226	27.36		1500.7							
	OBS	01000	06.66	35.054	27.53		1494.3							
	OBS	01030	06.34	35.082	27.59		1493.5							
	OBS	01050	06.60	35.116	27.59		1495.0							
	OBS	01100	06.21	35.137	27.65		1494.3							
	OBS	01140	05.63	35.108	27.71		1492.6							
	OBS	01200	05.52	35.097	27.71		1493.1							
	OBS	01300	04.98	35.062	27.75		1492.5							
	OBS	01400	04.69	35.042	27.77		1493.0							
	OBS	01500	04.44	35.024	27.78		1493.6							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 03383 AIR TEMP 17.9 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 04 SHIP YA WET BULB 16.0 18 2 4 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 06 N DAY 01 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 48 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 025 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.73	36.482	26.49		1517.5							
	OBS	00010	17.73	36.473	26.48		1517.6							
	OBS	00020	17.48	36.415	26.50		1517.0							
	OBS	00030	17.23	36.436	26.58		1516.5							
	OBS	00050	17.11	36.421	26.60		1516.4							
	OBS	00075	17.05	36.431	26.62		1516.7							
	OBS	00100	17.05	36.431	26.62		1517.1							
	OBS	00125	17.05	36.432	26.62		1517.5							
	OBS	00150	17.05	36.428	26.61		1517.9							
	OBS	00200	17.05	36.456	26.64		1518.7							
	OBS	00250	17.04	36.453	26.64		1519.5							
	OBS	00300	17.01	36.445	26.64		1520.2							
	OBS	00400	17.93 P	36.428	26.40Q*									
	OBS	00500	16.18	36.296	26.72		1520.9							
	OBS	00600	14.26	35.888	26.84		1516.0							
	OBS	00700	12.38	35.554	26.96		1511.0							
	OBS	00800	10.22	35.350	27.21		1504.8							
	OBS	00825	09.79	35.349	27.28		1503.e							
	OBS	00840	09.12	35.220	27.29		1501.3							
	OBS	00900	07.91	35.114	27.40		1497.5							
	OBS	00991	06.87	35.073	27.51		1495.0							
	OBS	01000	06.74	35.164	27.60		1494.7							
	OBS	01012	06.75	35.166	27.60		1495.0							
	OBS	01028	06.41	35.166	27.65		1493.9							
	OBS	01100	05.88	35.108	27.67		1492.9							
	OBS	01200	05.27	35.082	27.73		1492.1							
	OBS	01300	04.80	35.052	27.76		1491.8							
	OBS	01400	04.51	35.027	27.77		1492.2							
	OBS	01500	04.30	35.011	27.78		1493.0							

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REFID 31 8094 YEAR 1969 BOTDP AIR TEMP 17.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0026 MONTH 04 SHIP YA WET BULB 17.0 19 2 4 WIND-SPD 21 TRACE DIR D 5 SQUARE 4
LAT 35 09 N DAY 01 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 55 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E25 026 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	18.06	36.540	26.45		1518.5							
	OBS	00010	18.05	36.553	26.47		1518.7							
	OBS	00020	18.04	36.559	26.47		1518.8							
	OBS	00030	18.03	36.552	26.47		1518.9							
	OBS	00040	17.87	36.458	26.44 *		1518.5							
	OBS	00050	17.51	36.451	26.52		1517.6							
	OBS	00075	17.24	36.408	26.55		1517.2							
	OBS	00100	17.15	36.433	26.59		1517.4							
	OBS	00125	17.09	36.440	26.61		1517.6							
	OBS	00150	17.07	36.435	26.62		1517.9							
	OBS	00200	17.05	36.433	26.62		1518.7							
	OBS	00250	17.02	36.442	26.63		1519.5							
	OBS	00300	16.98	36.436	26.64		1520.1							
	OBS	00330	16.84	36.419	26.66		1520.2							
	OBS	00400	16.78	36.409	26.66		1521.2							
	OBS	00450	16.74	36.409	26.67		1521.9							
	OBS	00500	15.63	36.105	26.70		1518.9							
	OBS	00600	13.29	35.732	26.92		1512.6							
	OBS	00622	13.19	35.732	26.94		1512.6							
	OBS	00700	11.96	35.573	27.06		1509.6							
	OBS	00800	10.26	35.345	27.20		1504.9							
	OBS	00806	09.81	35.280	27.22		1503.3							
	OBS	00852	09.40	35.166	27.20		1502.4							
	OBS	00864	08.67	35.149	27.31		1499.9							
	OBS	00900	08.04	35.101	27.37		1498.0							
	OBS	01000	06.61	35.111	27.58		1494.2							
	OBS	01097	06.01	35.093	27.65		1493.4							
	OBS	01100	06.02	35.110	27.66		1493.5							
	OBS	01200	05.49	35.093	27.71		1493.0							
	OBS	01300	05.13	35.078	27.74		1493.2							
	OBS	01400	04.70	35.041	27.76		1493.0							
	OBS	01500	04.49	35.026	27.78		1493.8							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 02651 AIR TEMP 17.3 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206
CONSEC 0027 MONTH 04 SHIP YA WET BULB 15.5 00 0 0 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 02 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 47 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E25 027 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	17.35	36.353	26.48		1516.2							
	OBS	00010	17.35	36.373	26.50		1516.4							
	OBS	00020	17.35	36.430	26.54		1516.6							
	OBS	00030	17.30	36.440	26.56		1516.7							
	OBS	00050	17.21	36.442	26.59		1516.7							
	OBS	00075	17.07	36.449	26.63		1516.7							
	OBS	00100	17.04	36.441	26.63		1517.0							
	OBS	00125	17.03	36.457	26.64		1517.4							
	OBS	00150	17.03	36.457	26.64		1517.9							
	OBS	00200	17.03	36.454	26.64		1518.7							
	OBS	00250	17.03	36.453	26.64		1519.5							
	OBS	00300	17.03	36.453	26.64		1520.3							
	OBS	00350	16.92	36.419	26.64		1520.8							
	OBS	00400	16.52	36.355	26.69		1520.3							
	OBS	00420	16.49											
	OBS	00440	16.54	36.375	26.70		1521.1							
	OBS	00470	16.37	36.334	26.70		1521.0							
	OBS	00490	16.43	36.375	26.72		1521.5							
	OBS	00500	16.04	36.313	26.76		1520.4							
	OBS	00600	14.23	35.828	26.80		1515.8							
	OBS	00700	11.92	35.507	27.02		1509.3							
	OBS	00800	10.14	35.320	27.20		1504.5							
	OBS	00845	08.93	35.179	27.29		1500.6							
	OBS	00858	09.14	35.294	27.34		1501.7							
	OBS	00900	08.40	35.202	27.39		1499.5							
	OBS	01000	06.63	35.113	27.58		1494.2							
	OBS	01100	05.78	35.111	27.69		1492.5							
	OBS	01200	05.31	35.093	27.73		1492.3							
	OBS	01300	04.89	35.062	27.76		1492.2							
	OBS	01400	04.65	35.049	27.78		1492.8							
	OBS	01500	04.31	35.019	27.79		1493.1							

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REFID 31 8094 YEAR 1969 BOTDP 03603 AIR TEMP 15.3 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206
CONSEC 0028 MONTH 04 SHIP YA WET BULB 13.6 36 3 2 WIND-SPD 23 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 02 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 52 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 028 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	18.16	36.533	26.42		1518.8							
	OBS	00010	18.16	36.542	26.43		1519.0							
	OBS	00020	18.16	36.581	26.46		1519.2							
	OBS	00030	18.17	36.577	26.45		1519.4							
	OBS	00050	18.08	36.579	26.48		1519.4							
	OBS	00075	17.84	36.519	26.49		1519.1							
	OBS	00100	17.59	36.485	26.53		1518.7							
	OBS	00125	17.49	36.460	26.53		1518.6							
	OBS	00150	17.40	36.451	26.55		1518.9							
	OBS	00200	17.25	36.436	26.57		1519.3							
	OBS	00250	17.21	36.418	26.57		1520.0							
	OBS	00300	17.14	36.430	26.59		1520.6							
	OBS	00400	17.04	36.436	26.62		1522.0							
	OBS	00415	17.04	36.426	26.62		1522.2							
	OBS	00500	15.87	36.145	26.68		1519.7							
	OBS	00600	14.08	35.847	26.84		1515.3							
	OBS	00700	12.41	35.605	27.00		1511.1							
	OBS	00800	10.15	35.302	27.18		1504.3							
	OBS	00900	08.28	35.177	27.39		1499.0							
	OBS	01000	06.83	35.144	27.58		1495.1							
	OBS	01100	06.03	35.089	27.64		1493.5							
	OBS	01160	05.52	35.085	27.70		1492.4							
	OBS	01200	05.58	35.105	27.71		1493.4							
	OBS	01300	05.02	35.072	27.75		1492.7							
	OBS	01400	04.65	35.047	27.77		1492.8							
	OBS	01500	04.43	35.025	27.78		1493.6							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04846 AIR TEMP 15.8 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0029 MONTH 04 SHIP YA WET BULB 12.6 01 5 WIND-SPD 22 TRACE DIR D 5 SQUARE 2
LAT 34 50 N DAY 02 DATA USE 1 BAROMETR 1027.9 SEA WIND-FOR DURATION 03.5 2 SQUARE 46
LONG 047 51 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 029 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.11	36.543	26.44		1518.7							
	OBS	00010	18.11	36.545	26.44		1518.8							
	OBS	00020	18.11	36.549	26.45		1519.0							
	OBS	00030	18.11	36.551	26.45		1519.2							
	OBS	00050	17.85	36.510	26.48		1518.7							
	OBS	00075	17.26	36.410	26.55		1517.3							
	OBS	00100	17.19	36.418	26.57		1517.5							
	OBS	00125	17.14	36.424	26.59		1517.7							
	OBS	00150	17.13	36.441	26.61		1518.1							
	OBS	00200	17.10	36.444	26.62		1518.9							
	OBS	00250	17.04	36.442	26.63		1519.5							
	OBS	00300	17.05	36.444	26.63		1520.4							
	OBS	00400	17.05	36.445	26.63		1522.0							
	OBS	00500	16.99	36.433	26.63		1523.5							
	OBS	00600	15.17	35.978	26.71		1519.0							
	OBS	00700	13.16	35.665	26.85		1513.7							
	OBS	00800	10.36	35.303	27.14		1505.2							
	OBS	00900	08.30	35.108	27.33		1499.0							
	OBS	01000	06.46	35.037	27.54		1493.5							
	OBS	01080	06.15	35.108	27.64		1493.7							
	OBS	01100	06.00	35.082	27.64		1493.4							
	OBS	01130	05.90	35.098	27.66		1493.5							
	OBS	01200	05.25	35.042	27.70		1491.9							
	OBS	01300	05.10	35.075	27.74		1493.0							
	OBS	01400	04.74	35.045	27.76		1493.2							
	OBS	01500	04.48	35.031	27.78		1493.8							

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REFID 31 8094 YEAR 1969 BOTDP 04389 AIR TEMP 15.1 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0030 MONTH 04 SHIP YA WET BULB 12.8 35 4 3 WIND-SPD 25 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 02 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 03 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 030 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.91	36.525	26.48		1518.1							
	OBS	00010	17.91	36.525	26.48		1518.2							
	OBS	00020	17.73	36.487	26.49		1517.8							
	OBS	00030	17.54	36.472	26.53		1517.4							
	OBS	00050	17.28	36.432	26.56		1516.9							
	OBS	00075	17.09	36.433	26.61		1516.8							
	OBS	00100	17.05	36.434	26.62		1517.1							
	OBS	00125	17.04	36.430	26.62		1517.4							
	OBS	00150	17.04	36.439	26.63		1517.9							
	OBS	00200	17.04	36.448	26.63		1518.7							
	OBS	00250	17.03	36.447	26.63		1519.5							
	OBS	00300	17.03	36.453	26.64		1520.3							
	OBS	00400	16.99	36.437	26.64		1521.8							
	OBS	00500	15.86	36.145	26.68		1519.7							
	OBS	00600	13.92	35.787	26.83		1514.7							
	OBS	00700	12.35	35.601	27.01		1510.9							
	OBS	00800	10.03	35.304	27.20		1504.0							
	OBS	00900	07.69	35.089	27.41		1496.7							
	OBS	00990	06.63	35.132	27.59		1494.1							
	OBS	01000	06.66	35.147	27.60		1494.4							
	OBS	01025	06.54	35.149	27.62		1494.3							
	OBS	01100	06.08	35.145	27.68		1493.8							
	OBS	01200	05.41	35.088	27.72		1492.7							
	OBS	01300	04.96	35.051	27.74		1492.4							
	OBS	01400	04.64	35.039	27.77		1492.8							
	OBS	01500	04.41	35.021	27.78		1493.5							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 03676 AIR TEMP 17.4 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0031 MONTH 04 SHIP YA WET BULB 15.6 15 2 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 03 DATA USE 1 BARGMETR 1024.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 54 W HOUR 19.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 031 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.0	OBS	00000	17.86	36.506	26.48		1517.9							
	OBS	00010	17.83	36.513	26.49		1518.0							
	OBS	00020	17.48	36.455	26.53		1517.1							
	OBS	00030	17.31	36.443	26.5o		1516.7							
	OBS	00050	17.26	36.436	26.57		1516.9							
	OBS	00075	17.22	36.430	26.58		1517.2							
	OBS	00100	17.05	36.432	26.62		1517.1							
	OBS	00125	17.05	36.449	26.63		1517.5							
	OBS	00150	17.05	36.450	26.63		1517.9							
	OBS	00200	17.05	36.454	26.63		1518.7							
	OBS	00300	17.04	36.451	26.63		1520.3							
	OBS	00330	17.04	36.441	26.63		1520.8							
	OBS	00392	16.53	36.319	26.66		1520.2							
	OBS	00400	16.71	36.423	26.69		1521.0							
	OBS	00430	16.75	36.449	26.7C		1521.6							
	OBS	00500	15.12	36.022	26.75		1517.2							
	OBS	00600	13.38	35.715	26.85		1512.9							
	OBS	00700	11.37	35.364	27.01		1507.2							
	OBS	00725	10.78	35.398	27.14		1505.6							
	OBS	00749	10.12	35.267	27.16		1503.5							
	OBS	00800	09.42	35.260	27.27		1501.8							
	OBS	00842	09.25	35.305	27.34		1501.9							
	OBS	00900	08.07	35.164	27.41		1498.2							
	OBS	00959	07.31	35.215	27.56		1496.3							
	OBS	01000	06.78	35.179	27.61		1494.9							
	OBS	01100	05.52	35.045	27.67		1491.4							
	OBS	01157	05.52	35.131	27.74		1492.4							
	OBS	01200	05.39	35.094	27.72		1492.6							
	OBS	01300	04.73	35.025	27.75		1491.5							
	OBS	01400	04.59	35.049	27.78		1492.6							
	OBS	01500	04.40	35.034	27.79		1493.5							

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REFID 31 8094 YEAR 1969 BOTDP 03536 AIR TEMP 17.5 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0032 MONTH 04 SHIP YA WET BULB 16.3 15 3 2 WIND-SPD 24 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 03 DATA USE 1 BARGMETR 1023.7 SEA WIND-FOR DURATION 03.4 2 SQUARE 46
LONG 047 58 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 032 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	17.76	36.485	26.49		1517.6							
	OBS	00010	17.76	36.492	26.49		1517.7							
	OBS	00020	17.76	36.492	26.49		1517.9							
	OBS	00030	17.73	36.472	26.48		1518.0							
	OBS	00050	17.28	36.431	26.56		1516.9							
	OBS	00075	17.23	36.431	26.57		1517.2							
	OBS	00100	17.10	36.440	26.61		1517.2							
	OBS	00125	17.11	36.445	26.61		1517.7							
	OBS	00150	17.11	36.446	26.61		1518.1							
	OBS	00200	17.10	36.445	26.62		1518.9							
	OBS	00250	17.09	36.443	26.62		1519.7							
	OBS	00300	17.00	36.441	26.64		1520.2							
	OBS	00370	16.98	36.425	26.63		1521.3							
	OBS	00400	16.67	36.324	26.63		1520.7							
	OBS	00500	15.71	36.134	26.70		1519.2							
	OBS	00600	14.07	35.821	26.82		1515.3							
	OBS	00700	11.58	35.449	27.04		1506.1							
	OBS	00800	09.33	35.290	27.31		1501.3							
	OBS	00900	07.36	35.166	27.52		1495.5							
	OBS	01000	06.30	35.112	27.62		1492.9							
	OBS	01070	05.47	35.071	27.70		1490.7							
	OBS	01090	05.53	35.070	27.69		1491.3							
	OBS	01100	05.48	35.088	27.71		1491.3							
	OBS	01200	04.84	35.006	27.72		1490.2							
	OBS	01300	04.82	35.060	27.76		1491.9							
	OBS	01400	04.48	35.036	27.78		1492.1							
	OBS	01500	04.23	35.018	27.80		1492.7							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04114	AIR TEMP 16.9	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1206
CONSEC 0033	MONTH 04	SHIP YA	WET BULB 14.5	00 0 0	WIND-SPD 03	TRACE DIR 0	5 SQUARE 2
LAT 34 58 N	DAY 04	DATA USE 1	BAROMETR 1022.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E25 033	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
05.7	OBS	00000	17.64	36.463	26.50		1517.2							
	OBS	00010	17.62	36.472	26.51		1517.3							
	OBS	00020	17.61	36.469	26.51		1517.4							
	OBS	00030	17.58	36.467	26.52		1517.5							
	OBS	00050	17.41	36.458	26.55		1517.3							
	OBS	00075	17.34	36.442	26.56		1517.5							
	OBS	00100	17.27	36.437	26.57		1517.7							
	OBS	00125	17.17	36.408	26.57		1517.8							
	OBS	00150	17.04	36.417	26.61		1517.8							
	OBS	00200	17.03	36.432	26.62		1518.6							
	OBS	00250	17.04	36.423	26.61		1519.5							
	OBS	00300	16.86	36.380	26.62		1519.7							
	OBS	00400	15.92	36.162	26.68		1518.2							
	OBS	00500	14.99	35.993	26.76		1516.8							
	OBS	00600	13.53	35.750	26.88		1513.4							
	OBS	00700	11.80	35.367	26.93		1508.7							
	OBS	00800	09.43	35.280	27.29		1501.8							
	OBS	00900	07.71	35.155	27.46		1496.8							
	OBS	01000	06.60	35.138	27.60		1494.1							
	OBS	01100	05.69	35.079	27.68		1492.1							
	OBS	01200	05.06	35.046	27.73		1491.2							
	OBS	01300	04.89	35.061	27.76		1492.2							
	OBS	01400	04.51	35.037	27.78		1492.3							
	OBS	01500	04.31	35.023	27.79		1493.1							

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REFID 31 8094	YEAR 1969	BOTDP 04150	AIR TEMP 17.0	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0034	MONTH 04	SHIP YA	WET BULB 14.5	30 2 3	WIND-SPD 05	TRACE DIR 0	5 SQUARE 4
LAT 35 03 N	DAY 04	DATA USE 1	BAROMETR 1023.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 56 W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E25 034	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.56	36.469	26.52		1517.0							
	OBS	00010	17.56	36.471	26.52		1517.1							
	OBS	00020	17.56	36.471	26.52		1517.3							
	OBS	00030	17.47	36.460	26.54		1517.2							
	OBS	00050	17.33	36.440	26.56		1517.1							
	OBS	00075	17.28	36.436	26.57		1517.3							
	OBS	00100	17.22	36.421	26.57		1517.6							
	OBS	00125	17.20	36.423	26.57		1517.9							
	OBS	00150	17.12	36.427	26.60		1518.1							
	OBS	00200	17.02	36.429	26.62		1518.6							
	OBS	00300	16.92	36.440	26.66		1520.0							
	OBS	00370	15.94	36.199	26.70		1517.9							
	OBS	00400	16.08	36.255	26.71		1518.9							
	OBS	00500	14.87	35.986	26.78		1516.4							
	OBS	00600	13.42	35.748	26.90		1513.0							
	OBS	00700	11.33	35.395	27.04		1507.1							
	OBS	00800	09.32	35.313	27.33		1501.5							
	OBS	00820	08.72	35.190	27.33		1499.4							
	OBS	00850	08.17	35.139	27.38		1497.7							
	OBS	00900	09.64 P	35.203	27.190*									
	OBS	01000	06.41	35.115	27.61		1493.4							
	OBS	01100	05.67	35.089	27.69		1492.0							
	OBS	01200	05.07	35.083	27.75		1491.3							
	OBS	01300	04.91	35.067	27.76		1492.3							
	OBS	01400	04.62	35.045	27.78		1492.7							
	OBS	01500	04.38	35.031	27.79		1493.4							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04014 AIR TEMP 17.7 DIR HOT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0035 MONTH 04 SHIP YA WET BULB 15.2 29 2 3 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 04 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 00.0 2 SQUARE 46
LONG 047 56 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID E25 035 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	17.83	36.462	26.45		1517.8							
	OBS	00010	17.73	36.473	26.48		1517.6							
	OBS	00020	17.61	36.477	26.52		1517.5							
	OBS	00030	17.60	36.480	26.52		1517.6							
	OBS	00050	17.48	36.468	26.54		1517.6							
	OBS	00075	17.37	36.454	26.56		1517.6							
	OBS	00100	17.32	36.449	26.57		1517.9							
	OBS	00125	17.21	36.439	26.58		1518.0							
	OBS	00150	17.11	36.427	26.60		1518.1							
	OBS	00200	17.05	36.444	26.63		1518.7							
	OBS	00250	17.00	36.455	26.65		1519.4							
	OBS	00300	16.75	36.371	26.64		1519.4							
	OBS	00400	16.25	36.301	26.71		1519.4							
	OBS	00500	15.15	36.033	26.75		1517.3							
	OBS	00600	13.45	35.720	26.88		1513.1							
	OBS	00700	11.45	35.427	27.04		1507.6							
	OBS	00780	10.48	35.249	27.08		1505.3							
	OBS	00800	09.57	35.284	27.27		1502.3							
	OBS	00830	09.32	35.231	27.34		1502.0							
	OBS	00900	07.90	35.156	27.43		1497.6							
	OBS	00972	07.39	35.207	27.55		1496.9							
	OBS	01000	06.91	35.181	27.59		1495.4							
	OBS	01100	05.91	35.081	27.65		1493.0							
	OBS	01178	05.09	35.008	27.69		1490.9							
	OBS	01200	05.25	35.069	27.74		1492.0							
	OBS	01300	04.88	35.071	27.77		1492.1							
	OBS	01400	04.51	35.035	27.78		1492.2							
	OBS	01500	04.30	35.020	27.79		1493.0							
	OBS	01750	04.04	34.997	27.80		1496.1							
	OBS	02000	03.85	34.992	27.82		1499.6							
	OBS	02500	03.41	34.975	27.85		1506.2							
	OBS	03000	02.94	34.954	27.88		1512.8							

REFID 31 8094 YEAR 1969 BOTDP 04206 AIR TEMP 17.3 DIR HOT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0036 MONTH 04 SHIP YA WET BULB 14.6 31 2 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 04 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 00.0 2 SQUARE 46
LONG 047 56 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 036 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	17.85	36.480	26.46		1517.8							
	OBS	00010	17.84	36.481	26.46		1518.0							
	OBS	00020	17.76	36.471	26.47		1517.9							
	OBS	00030	17.71	36.483	26.50		1517.9							
	OBS	00050	17.41	36.450	26.54		1517.3							
	OBS	00075	17.28	36.430	26.56		1517.3							
	OBS	00100	17.18	36.447	26.60		1517.5							
	OBS	00125	17.06	36.429	26.61		1517.5							
	OBS	00150	17.06	36.435	26.62		1517.9							
	OBS	00200	17.80 P	36.356	26.380*									
	OBS	00210	16.72	36.372	26.65		1517.8							
	OBS	00230	16.84	36.429	26.67		1516.6							
	OBS	00250	16.75	36.412	26.67		1516.6							
	OBS	00300	16.68	36.393	26.68		1519.2							
	OBS	00400	16.37	36.335	26.71		1519.8							
	OBS	00500	15.39	36.073	26.73		1518.1							
	OBS	00600	13.49	35.719	26.87		1513.2							
	OBS	00700	11.43	35.450	27.06		1507.6							
	OBS	00800	09.16	35.300	27.35		1500.8							
	OBS	00810	09.16	35.320	27.36		1501.0							
	OBS	00830	08.89	35.259	27.36		1500.3							
	OBS	00880	07.71	35.150	27.45		1496.5							
	OBS	00900	07.72	35.201	27.49		1496.9							
	OBS	01000	06.83	35.163	27.59		1495.1							
	OBS	01100	05.68	35.067	27.67		1492.1							
	OBS	01130	05.17	35.008	27.68		1490.4							
	OBS	01142	05.11	35.016	27.70		1490.4							
	OBS	01160	05.37	35.093	27.73		1491.8							
	OBS	01200	05.26	35.085	27.73		1492.0							
	OBS	01300	04.93	35.069	27.76		1492.3							
	OBS	01400	04.55	35.032	27.77		1492.4							
	OBS	01500	04.35	35.024	27.79		1493.3							

TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04297	AIR TEMP 15.4	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0037	MONTH 04	SHIP YA	WET BULB 14.3	02 3 2	WIND-SPD 26	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 05	DATA USE 1	BAROMETR 1024.3	SEA	WIND-FOR	DURATIJN 00.5	2 SQUARE 46
LONG 047 52 W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E25 037	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.8	OBS	00000	17.31	36.433	26.56		1516.2							
	OBS	00010	17.30	36.433	26.56		1516.3							
	OBS	00020	17.26	36.433	26.57		1516.4							
	OBS	00030	17.24	36.432	26.57		1516.5							
	OBS	00050	17.11	36.441	26.61		1516.4							
	OBS	00075	17.04	36.448	26.63		1516.6							
	OBS	00100	17.03	36.445	26.63		1517.0							
	OBS	00125	17.00	36.447	26.64		1517.3							
	OBS	00150	16.99	36.448	26.64		1517.7							
	OBS	00200	16.97	36.445	26.65		1518.5							
	OBS	00250	16.76	36.390	26.66		1518.6							
	OBS	00300	16.00 P	36.380	26.830									
	OBS	00400	16.39	36.358	26.72		1519.9							
	OBS	00500	15.51	36.138	26.75		1518.6							
	OBS	00600	13.93	35.809	26.84		1514.8							
	OBS	00700	11.97	35.537	27.03		1509.5							
	OBS	00800	10.20	35.359	27.22		1504.7							
	OBS	00900	08.13	35.215	27.44		1498.5							
	OBS	01000	06.76	35.164	27.60		1494.8							
	OBS	01050	05.92	35.071	27.64		1492.2							
	OBS	01100	05.89	35.128	27.69		1493.0							
	OBS	01200	05.71	35.077	27.67		1493.9							
	OBS	01240	05.18	35.092	27.75		1492.4							
	OBS	01300	04.91	35.071	27.76		1492.3							
	OBS	01400	04.58	35.044	27.78		1492.5							
	OBS	01500	04.44	35.032	27.79		1493.6							

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REFID 31 8094	YEAR 1969	BOTDP 04297	AIR TEMP 15.0	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0038	MONTH 04	SHIP YA	WET BULB 13.2	04 5 2	WIND-SPD 21	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 05	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 038	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.11	36.442	26.61		1515.6							
	OBS	00010	17.11	36.443	26.61		1515.8							
	OBS	00020	17.11	36.444	26.61		1515.9							
	OBS	00030	17.11	36.449	26.62		1516.1							
	OBS	00050	17.05	36.451	26.63		1516.3							
	OBS	00075	17.03	36.451	26.64		1516.6							
	OBS	00100	17.03	36.449	26.64		1517.0							
	OBS	00125	17.01	36.448	26.64		1517.4							
	OBS	00150	17.00	36.448	26.64		1517.8							
	OBS	00200	16.97	36.451	26.65		1518.5							
	OBS	00250	16.71	36.398	26.67		1518.5							
	OBS	00300	16.61	36.390	26.69		1519.0							
	OBS	00400	16.24	36.316	26.72		1519.4							
	OBS	00500	14.94	35.971	26.75		1516.6							
	OBS	00600	13.43	35.710	26.87		1513.0							
	OBS	00700	11.02	35.435	27.13		1506.1							
	OBS	00800	09.42	35.259	27.27		1501.8							
	OBS	00828	08.68	35.139	27.30		1499.3							
	OBS	00885	07.93	35.218	27.48		1497.5							
	OBS	00900	07.77	35.188	27.48		1497.1							
	OBS	01000	06.49	35.107	27.59		1493.7							
	OBS	01100	06.10	35.111	27.65		1493.8							
	OBS	01200	05.34	35.069	27.71		1492.3							
	OBS	01300	04.95	35.063	27.75		1492.4							
	OBS	01400	04.70	35.048	27.77		1493.0							
	OBS	01500	04.49	35.035	27.78		1493.8							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04389 AIR TEMP 15.2 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0039 MONTH 04 SHIP YA WET BULB 12.2 05 2 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 58 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 039 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	17.14	36.435	26.60		1515.7							
	OBS	00010	17.15	36.442	26.60		1515.9							
	OBS	00020	17.16	36.433	26.59		1516.1							
	OBS	00030	17.16	36.443	26.60		1516.3							
	OBS	00050	17.11	36.445	26.61		1516.4							
	OBS	00075	17.01	36.443	26.64		1516.6							
	OBS	00100	17.00	36.448	26.64		1516.9							
	OBS	00125	16.97	36.437	26.64		1517.2							
	OBS	00150	16.95	36.438	26.65		1517.6							
	OBS	00200	16.81	36.419	26.67		1518.0							
	OBS	00250	16.59	36.373	26.68		1518.1							
	OBS	00300	16.46	36.361	26.70		1518.5							
	OBS	00400	16.05	36.266	26.73		1518.8							
	OBS	00500	15.33	36.086	26.75		1518.0							
	OBS	00600	13.89	35.804	26.85		1514.7							
	OBS	00700	12.05	35.507	26.99		1509.8							
	OBS	00800	09.52	35.271	27.26		1502.1							
	OBS	00900	07.98	35.203	27.46		1497.9							
	OBS	01000	06.56	35.101	27.58		1493.9							
	OBS	01012	06.41	35.170	27.65		1493.6							
	OBS	01082	06.11	35.156	27.68		1493.6							
	OBS	01100	05.89	35.109	27.67		1493.0							
	OBS	01200	05.27	35.080	27.73		1492.1							
	OBS	01300	04.87	35.058	27.76		1492.1							
	OBS	01400	04.63	35.037	27.77		1492.7							
	OBS	01500	04.33	35.014	27.78		1493.2							

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REFID 31 8094 YEAR 1969 BOTDP 04005 AIR TEMP 16.5 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0040 MONTH 04 SHIP YA WET BULB 15.7 07 2 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 06 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 10 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 040 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.05	36.428	26.61		1515.4							
	OBS	00010	17.05	36.432	26.62		1515.6							
	OBS	00020	17.05	36.432	26.62		1515.8							
	OBS	00030	17.05	36.433	26.62		1515.9							
	OBS	00050	17.05	36.445	26.63		1516.3							
	OBS	00075	17.03	36.450	26.64		1516.6							
	OBS	00100	17.03	36.449	26.64		1517.0							
	OBS	00125	17.01	36.448	26.64		1517.4							
	OBS	00150	16.97	36.436	26.64		1517.7							
	OBS	00200	16.64	36.385	26.68		1517.4							
	OBS	00250	16.63	36.393	26.69		1518.2							
	OBS	00300	16.33	36.302	26.69		1518.0							
	OBS	00320	15.78	36.184	26.73		1516.5							
	OBS	00350	15.95	36.228	26.72		1517.6							
	OBS	00400	15.87	36.237	26.75		1518.2							
	OBS	00420	15.90	36.236	26.74		1518.6							
	OBS	00500	14.66	35.941	26.79		1515.7							
	OBS	00600	12.69	35.630	26.96		1510.5							
	OBS	00700	10.55	35.346	27.14		1504.3							
	OBS	00800	08.55	35.159	27.33		1498.4							
	OBS	00900	07.32	35.167	27.53		1495.3							
	OBS	00930	07.31	35.206	27.56		1495.9							
	OBS	01000	06.36	35.137	27.63		1493.2							
	OBS	01100	05.38	35.084	27.72		1490.9							
	OBS	01200	04.91	35.047	27.74		1490.6							
	OBS	01300	04.75	35.056	27.77		1491.6							
	OBS	01400	04.51	35.037	27.78		1492.3							
	OBS	01500	04.26	35.015	27.79		1492.9							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP AIR TEMP 15.5 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0041 MONTH 04 SHIP YA WET BULB 13.6 03 4 3 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 06 DATA USE 1 BAROMETR 1030.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 041 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.8	OBS	00000	17.30	36.443	26.57		1516.2							
	OBS	00010	17.29	36.445	26.57		1516.3							
	OBS	00020	17.29	36.449	26.57		1516.5							
	OBS	00030	17.29	36.451	26.57		1516.7							
	OBS	00050	17.28	36.449	26.58		1516.9							
	OBS	00075	17.11	36.447	26.62		1516.9							
	OBS	00100	17.05	36.449	26.63		1517.1							
	OBS	00125	17.04	36.449	26.63		1517.5							
	OBS	00150	17.04	36.449	26.63		1517.9							
	OBS	00200	17.01	36.446	26.64		1518.6							
	OBS	00250	16.98	36.448	26.65		1519.3							
	OBS	00300	16.92	36.426	26.64		1520.0							
	OBS	00330	16.65	36.400	26.69		1519.6							
	OBS	00400	16.45	36.355	26.70		1520.1							
	OBS	00420	16.18	36.281	26.71		1519.5							
	OBS	00430	16.24	36.336	26.74		1519.9							
	OBS	00500	15.40	36.113	26.76		1518.2							
	OBS	00600	13.94	35.810	26.84		1514.8							
	OBS	00700	11.93	35.540	27.04		1509.4							
	OBS	00800	09.80	35.273	27.22		1503.2							
	OBS	00900	08.21	35.192	27.41		1498.8							
	OBS	01000	06.53	35.035	27.53		1493.7							
	OBS	01050	05.77	35.075	27.66		1491.6							
	OBS	01070	06.00	35.115	27.66		1492.9							
	OBS	01100	05.92	35.119	27.68		1493.1							
	OBS	01200	05.33	35.086	27.73		1492.3							
	OBS	01300	04.90	35.062	27.76		1492.2							
	OBS	01400	04.61	35.039	27.77		1492.7							
	OBS	01500	04.37	35.022	27.79		1493.3							

REFID 31 8094 YEAR 1969 BOTDP 04480 AIR TEMP 18.2 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0042 MONTH 04 SHIP YA WET BULB 16.8 22 1 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 06 N DAY 06 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 47 W HOUR 19.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 042 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.0	OBS	00000	17.65	36.453	26.49		1517.2							
	OBS	00010	17.47	36.443	26.52		1516.8							
	OBS	00020	17.42	36.450	26.54		1516.9							
	OBS	00030	17.42	36.456	26.55		1517.0							
	OBS	00050	17.18	36.440	26.59		1516.6							
	OBS	00075	17.08	36.446	26.62		1516.6							
	OBS	00100	17.05	36.448	26.63		1517.1							
	OBS	00125	17.04	36.451	26.63		1517.5							
	OBS	00150	17.04	36.456	26.64		1517.9							
	OBS	00200	16.99	36.446	26.64		1518.5							
	OBS	00250	16.77	36.399	26.66		1518.7							
	OBS	00300	16.58	36.388	26.70		1518.9							
	OBS	00400	16.25	36.321	26.72		1519.5							
	OBS	00500	15.44	36.094	26.73		1518.3							
	OBS	00532	15.10	36.035	26.76		1517.7							
	OBS	00544	14.70	36.92 P	27.54Q									
	OBS	00600	14.03	35.837	26.84		1515.2							
	OBS	00700	11.94	35.545	27.04		1509.4							
	OBS	00800	09.66	35.271	27.24		1502.6							
	OBS	00808	09.57	35.267	27.25		1502.4							
	OBS	00834	08.97	35.140	27.25		1500.5							
	OBS	00840	08.75	35.242	27.37		1499.9							
	OBS	00900	08.02	35.206	27.45		1498.1							
	OBS	00960	06.64	35.094	27.56		1493.6							
	OBS	00999	06.26	35.031	27.56		1492.6							
	OBS	01000	06.20	35.046	27.58		1492.4							
	OBS	01100	05.90	35.101	27.67		1493.0							
	OBS	01200	05.86	35.102	27.67		1494.5							
	OBS	01300	04.96	35.079	27.76		1492.5							
	OBS	01400	04.56	35.046	27.78		1492.5							
	OBS	01500	04.32	35.031	27.80		1493.1							

TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04572	AIR TEMP 16.1	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0043	MONTH 04	SHIP YA	WET BULB 17.4	06 2 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 07	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 56 W	HOUR 00.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 043	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.5	OBS	00000	17.19	36.403	26.56		1515.6							
	OBS	00010	16.98	36.408	26.62		1515.4							
	OBS	00020	16.93	36.411	26.63		1515.4							
	OBS	00030	16.91	36.410	26.63		1515.5							
	OBS	00050	16.84	36.402	26.65		1515.6							
	OBS	00075	16.72	36.390	26.66		1515.8							
	OBS	00100	16.65	36.381	26.67		1515.8							
	OBS	00125	16.47	36.368	26.71		1515.7							
	OBS	00150	16.43	36.355	26.71		1515.9							
	OBS	00200	16.25	36.317	26.72		1516.2							
	OBS	00250	16.02	36.256	26.73		1516.2							
	OBS	00300	15.83	36.201	26.73		1516.4							
	OBS	00350	15.61	36.139	26.73		1516.4							
	OBS	00400	15.09	36.049	26.78		1515.5							
	OBS	00500	14.59	35.942	26.81		1515.5							
	OBS	00600	13.20	35.697	26.91		1512.3							
	OBS	00700	11.37	35.427	27.06		1507.3							
	OBS	00800	08.98	35.203	27.30		1500.0							
	OBS	00900	07.38	35.157	27.51		1495.6							
	OBS	01000	06.33	35.139	27.64		1493.1							
	OBS	01100	05.94	35.141	27.69		1493.2							
	OBS	01200	05.31	35.074	27.72		1492.2							
	OBS	01300	04.99	35.067	27.75		1492.6							
	OBS	01400	04.80	35.057	27.76		1493.5							
	OBS	01500	04.49	35.033	27.78		1493.8							

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REFID 31 8094	YEAR 1969	BOTDP 04700	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0044	MONTH 04	SHIP YA	WET BULB 16.9	02 2 2	WIND-SPD 16	TRACE DIR C	5 SQUARE 2
LAT 34 56 N	DAY 07	DATA USE 1	BAROMETR 1027.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 06 W	HOUR 05.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 044	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	18.05	36.515	26.44		1518.5							
	OBS	00010	18.04	36.518	26.44		1518.6							
	OBS	00020	17.89	36.497	26.46		1518.3							
	OBS	00030	17.77	36.470	26.47		1518.1							
	OBS	00050	17.15	36.431	26.59		1516.5							
	OBS	00075	17.06	36.441	26.62		1516.7							
	OBS	00100	17.03	36.443	26.63		1517.0							
	OBS	00125	17.01	36.447	26.64		1517.4							
	OBS	00150	17.01	36.449	26.64		1517.8							
	OBS	00200	16.80	36.401	26.65		1517.9							
	OBS	00250	16.57	36.382	26.69		1518.0							
	OBS	00300	16.39	36.353	26.71		1518.3							
	OBS	00400	15.84	36.206	26.73		1518.1							
	OBS	00500	14.90	35.963	26.75		1516.5							
	OBS	00600	13.78	35.771	26.85		1514.3							
	OBS	00700	11.96	35.536	27.03		1509.5							
	OBS	00800	09.61	35.220	27.21		1502.4							
	OBS	00900	07.96	35.119	27.39		1497.7							
	OBS	01000	06.44	35.128	27.62		1493.5							
	OBS	01060	06.39	35.161	27.65		1494.3							
	OBS	01100	05.94	35.109	27.67		1493.2							
	OBS	01200	05.42	35.103	27.73		1492.7							
	OBS	01300	04.95	35.063	27.75		1492.4							
	OBS	01400	04.60	35.048	27.78		1492.6							
	OBS	01500	04.27	35.014	27.79		1492.9							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04572	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0045	MONTH 04	SHIP YA	WET BULB 17.1	20 2 3	WIND-SPD 22	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 07	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 05 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 045	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	17.15	36.413	26.58		1515.7							
	OBS	00010	17.15	36.415	26.58		1515.9							
	OBS	00020	17.12	36.401	26.58		1515.9							
	OBS	00030	16.99	36.413	26.62		1515.7							
	OBS	00050	16.95	36.410	26.63		1515.9							
	OBS	00075	16.80	36.399	26.65		1515.9							
	OBS	00100	16.67	36.381	26.67		1515.9							
	OBS	00125	16.60	36.390	26.69		1516.1							
	OBS	00150	16.59	36.388	26.69		1516.5							
	OBS	00200	16.47	36.365	26.70		1516.9							
	OBS	00250	16.31	36.330	26.72		1517.2							
	OBS	00300	15.76	36.201	26.74		1516.2							
	OBS	00400	14.95	35.993	26.77		1515.0							
	OBS	00407	14.85	35.972	26.77		1514.8							
	OBS	00448	15.11	35.10 P	26.04W*									
	OBS	00500	14.16	35.853	26.83		1514.0							
	OBS	00600	12.70	35.629	26.96		1510.5							
	OBS	00700	10.77	35.378	27.13		1505.1							
	OBS	00800	08.58	35.242	27.39		1498.6							
	OBS	00900	07.53	35.147	27.48		1496.1							
	OBS	01000	06.51	35.141	27.62		1493.8							
	OBS	01100	06.07	35.166	27.70		1493.8							
	OBS	01200	05.33	35.091	27.73		1492.3							
	OBS	01300	04.85	35.064	27.76		1492.0							
	OBS	01400	04.68	35.056	27.78		1493.0							
	OBS	01500	04.41	35.033	27.79		1493.5							

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REFID 31 8094	YEAR 1969	BOTDP 04389	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0046	MONTH 04	SHIP YA	WET BULB 17.3	19 2 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 07	DATA USE 1	BAROMETR 1025.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 58 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 046	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	17.67	36.445	26.48		1517.3							
	OBS	00010	17.55	36.418	26.49		1517.0							
	OBS	00020	17.21	36.412	26.56		1516.2							
	OBS	00030	17.08	36.423	26.60		1516.0							
	OBS	00050	17.03	36.423	26.62		1516.2							
	OBS	00075	16.98	36.422	26.63		1516.4							
	OBS	00100	16.93	36.430	26.65		1516.7							
	OBS	00125	16.87	36.409	26.64		1516.9							
	OBS	00150	16.77	36.398	26.66		1517.0							
	OBS	00200	16.56	36.357	26.68		1517.1							
	OBS	00220	16.26	36.266	26.68		1516.5							
	OBS	00230	16.39	36.306	26.72		1517.1							
	OBS	00250	16.38	36.345	26.71		1517.4							
	OBS	00300	16.02	36.279	26.74		1517.1							
	OBS	00400	15.73	36.215	26.76		1517.7							
	OBS	00500	14.24	35.882	26.83		1514.3							
	OBS	00600	12.85	35.649	26.94		1511.0							
	OBS	00700	10.99	35.405	27.11		1506.0							
	OBS	00800	08.77	35.155	27.30		1498.2							
	OBS	00900	07.14	35.156	27.54		1494.6							
	OBS	00920	07.27	35.192	27.55		1495.5							
	OBS	00940	06.78	35.125	27.57		1493.8							
	OBS	01000	06.26	35.134	27.65		1492.8							
	OBS	01100	05.76	35.109	27.69		1492.4							
	OBS	01200	05.21	35.083	27.74		1491.8							
	OBS	01300	04.88	35.079	27.77		1492.2							
	OBS	01400	04.63	35.057	27.78		1492.8							
	OBS	01500	04.37	35.039	27.80		1493.4							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04572 AIR TEMP 18.1 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0047 MONTH 04 SHIP YA WET BULB 19 3 2 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2
LAT 34 59 N DAY 07 DATA USE 1 BAROMETR 1026.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 047 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	17.62	36.452	26.49		1517.1							
	OBS	00010	17.62	36.452	26.49		1517.3							
	OBS	00020	17.61	36.451	26.50		1517.4							
	OBS	00030	17.54	36.449	26.51		1517.4							
	OBS	00050	17.07	36.433	26.61		1516.3							
	OBS	00075	17.00	36.428	26.63		1516.5							
	OBS	00100	16.97	36.415	26.62		1516.8							
	OBS	00125	16.91	36.410	26.63		1517.0							
	OBS	00150	16.74	36.392	26.66		1516.9							
	OBS	00200	16.61	36.377	26.68		1517.3							
	OBS	00245	16.16	36.264	26.70		1516.0							
	OBS	00260	16.23	36.313	26.72		1517.1							
	OBS	00300	15.82	36.221	26.74		1516.4							
	OBS	00400	15.29	36.108	26.78		1516.2							
	OBS	00500	14.09	35.844	26.84		1513.7							
	OBS	00600	12.61	35.657	27.00		1510.2							
	OBS	00700	10.78	35.383	27.13		1505.2							
	OBS	00800	08.85	35.170	27.29		1499.5							
	OBS	00840	08.17	35.158	27.39		1497.6							
	OBS	00855	08.28	35.205	27.41		1498.3							
	OBS	00900	07.98	35.207	27.46		1497.9							
	OBS	00970	06.70	35.138	27.59		1494.0							
	OBS	01000	06.57	35.146	27.61		1494.0							
	OBS	01100	05.96	35.109	27.66		1493.2							
	OBS	01200	05.45	35.089	27.71		1492.8							
	OBS	01300	05.00	35.070	27.75		1492.6							
	OBS	01400	04.71	35.054	27.77		1493.1							
	OBS	01500	04.42	35.033	27.79		1493.6							

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REFID 31 8094 YEAR 1969 BOTDP 04169 AIR TEMP 18.2 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0048 MONTH 04 SHIP YA WET BULB 17.5 20 4 3 WIND-SPD 23 TRACE DIR 0 5 SQUARE 4
LAT 35 01 N DAY 08 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 03 W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 048 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	04	TOT P	NO2	NO3	SIO3	PH
05.8	OBS	00000	17.40	36.423	26.53		1516.5							
	OBS	00010	17.39	36.423	26.53		1516.6							
	OBS	00020	17.37	36.405	26.52		1516.7							
	OBS	00030	16.92	36.399	26.62		1515.5							
	OBS	00050	16.84	36.395	26.64		1515.6							
	OBS	00075	16.65	36.379	26.67		1515.4							
	OBS	00100	16.57	36.389	26.70		1515.6							
	OBS	00125	16.55	36.383	26.70		1515.9							
	OBS	00150	16.52	36.374	26.70		1516.2							
	OBS	00200	16.31	36.343	26.73		1516.4							
	OBS	00250	16.20	36.310	26.73		1516.8							
	OBS	00300	16.08	36.281	26.73		1517.2							
	OBS	00400	15.73	36.167	26.72		1517.7							
	OBS	00500	14.49	35.872	26.77		1515.0							
	OBS	00600	12.76	35.629	26.95		1510.7							
	OBS	00700	10.90	35.378	27.11		1505.6							
	OBS	00800	08.95	35.150	27.26		1499.9							
	OBS	00900	07.10	35.056	27.47		1494.3							
	OBS	00920	06.78	35.095	27.54		1493.5							
	OBS	00970	07.08	35.205	27.59		1495.6							
	OBS	01000	06.61	35.162	27.62		1494.2							
	OBS	01100	05.75	35.098	27.68		1492.4							
	OBS	01140	05.42	35.095	27.72		1491.7							
	OBS	01150	05.54	35.126	27.73		1492.4							
	OBS	01200	05.22	35.085	27.74		1491.9							
	OBS	01300	04.85	35.071	27.77		1492.0							
	OBS	01400	04.61	35.040	27.77		1492.7							
	OBS	01500	04.33	35.032	27.80		1493.2							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04096 AIR TEMP 18.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0049 MONTH 04 SHIP YA WET BULB 17.2 27 2 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4
LAT 35 05 N DAY 08 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 049 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.29	36.414	26.55		1516.1							
	OBS	00010	17.26	36.413	26.55		1516.2							
	OBS	00020	17.26	36.413	26.55		1516.4							
	OBS	00030	17.26	36.415	26.55		1516.5							
	OBS	00050	17.12	36.423	26.59		1516.4							
	OBS	00075	16.92	36.412	26.63		1516.2							
	OBS	00100	16.80	36.406	26.66		1516.3							
	OBS	00125	16.68	36.388	26.67		1516.3							
	OBS	00150	16.61	36.379	26.68		1516.3							
	OBS	00200	16.46	36.355	26.70		1516.8							
	OBS	00250	16.32	36.315	26.70		1517.2							
	OBS	00300	16.06	36.280	26.74		1517.2							
	OBS	00400	15.78	36.226	26.76		1517.9							
	OBS	00500	14.57	35.890	26.77		1515.3							
	OBS	00600	12.60	35.589	26.95		1510.1							
	OBS	00700	10.34	35.267	27.12		1503.5							
	OBS	00800	08.07	35.113	27.37		1496.5							
	OBS	00838	07.48	35.062	27.42		1494.8							
	OBS	00882	07.06	35.066	27.48		1493.9							
	OBS	00900	07.05	35.114	27.52		1494.2							
	OBS	00935	06.71	35.057	27.52		1493.4							
	OBS	00981	06.76	35.175	27.61		1494.5							
	OBS	01000	06.66	35.152	27.61		1494.4							
	OBS	01100	05.66	35.090	27.69		1492.0							
	OBS	01200	04.99	35.024	27.72		1490.9							
	OBS	01300	04.67	35.040	27.77		1491.2							
	OBS	01400	04.56	35.037	27.78		1492.5							
	OBS	01500	04.35	35.025	27.79		1493.3							

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REFID 31 8094 YEAR 1969 BOTDP 03383 AIR TEMP 18.7 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0050 MONTH 04 SHIP YA WET BULB 17.8 19 4 3 WIND-SPD 21 TRACE DIR 0 5 SQUARE 4
LAT 35 14 N DAY 08 DATA USE 1 BAROMETR 1022.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 41 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 050 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	18.09	36.502	26.42		1518.6							
	OBS	00010	18.08	36.493	26.41		1518.7							
	OBS	00020	17.99	36.509	26.45		1518.6							
	OBS	00030	17.93	36.511	26.46		1518.6							
	OBS	00050	17.85	36.503	26.48		1518.7							
	OBS	00075	17.45	36.468	26.55		1517.9							
	OBS	00100	17.39	36.456	26.55		1518.1							
	OBS	00125	17.22	36.431	26.58		1518.0							
	OBS	00150	17.17	36.448	26.60		1518.3							
	OBS	00200	17.08	36.465	26.64		1518.8							
	OBS	00250	17.04	36.463	26.64		1519.5							
	OBS	00300	16.95	36.438	26.65		1520.1							
	OBS	00380	16.75	36.400	26.67		1520.7							
	OBS	00400	16.15	36.229	26.67		1519.0							
	OBS	00500	14.76	35.933	26.76		1516.0							
	OBS	00600	13.11	35.698	26.93		1512.0							
	OBS	00700	10.94	35.403	27.12		1505.8							
	OBS	00730	10.72	35.388	27.15		1505.5							
	OBS	00740	10.42	35.309	27.14		1504.5							
	OBS	00760	10.03	35.305	27.20		1503.4							
	OBS	00800	08.57	35.150	27.32		1498.4							
	OBS	00900	06.96	35.060	27.49		1493.8							
	OBS	01000	06.04	35.045	27.60		1491.8							
	OBS	01100	05.21	35.034	27.70		1490.1							
	OBS	01140	05.31	35.073	27.72		1491.2							
	OBS	01150	05.16	35.043	27.71		1490.7							
	OBS	01200	05.17	35.083	27.74		1491.7							
	OBS	01300	04.73	35.048	27.77		1491.5							
	OBS	01400	04.38	35.016	27.78		1491.7							
	OBS	01500	04.16	34.999	27.79		1492.4							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BCTOP 03475	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0051	MONTH 04	SHIP YA	WET BULB	19 4 3	WIND-SPD 22	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 08	DATA USE 1	BAROMETR 1022.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 051	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	17.37	36.438	26.55		1516.4							
	OBS	00010	17.36	36.440	26.55		1516.5							
	OBS	00020	17.36	36.441	26.55		1516.7							
	OBS	00030	17.35	36.441	26.55		1516.8							
	OBS	00050	17.09	36.442	26.62		1516.4							
	OBS	00075	17.06	36.450	26.63		1516.7							
	OBS	00100	17.06	36.449	26.63		1517.1							
	OBS	00125	17.04	36.448	26.63		1517.5							
	OBS	00150	17.04	36.447	26.63		1517.9							
	OBS	00200	16.97	36.444	26.65		1518.5							
	OBS	00250	16.90	36.414	26.64		1519.1							
	OBS	00300	16.69	36.393	26.67		1519.2							
	OBS	00400	16.13	36.297	26.73		1519.1							
	OBS	00430	15.86	36.226	26.74		1518.6							
	OBS	00470	15.55	36.124	26.73		1518.2							
	OBS	00500	15.19	36.062	26.77		1517.5							
	OBS	00600	13.92	35.807	26.84		1514.8							
	OBS	00700	11.89	35.526	27.04		1509.3							
	OBS	00800	09.46	35.211	27.23		1501.6							
	OBS	00900	07.38	35.037	27.41		1495.4							
	OBS	00915	06.91	35.023	27.47		1493.8							
	OBS	00917	06.92	35.099	27.53		1494.0							
	OBS	00980	06.16	35.014	27.56		1491.9							
	OBS	00990	06.51	35.163	27.63		1493.7							
	OBS	01000	06.53	35.184	27.65		1493.9							
	OBS	01100	05.86	35.118	27.68		1492.8							
	OBS	01200	05.40	35.085	27.72		1492.6							
	OBS	01240	04.72	35.015	27.74		1490.4							
	OBS	01300	04.80	35.064	27.77		1491.8							
	OBS	01400	04.59	35.048	27.78		1492.6							
	OBS	01500	04.38	35.034	27.79		1493.4							

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REFID 31 8094	YEAR 1969	BOTOP 03566	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0052	MONTH 04	SHIP YA	WET BULB 17.4	19 6 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 4
LAT 35 06 N	DAY 09	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 03 W	HOUR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 052	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.7	OBS	00000	17.36	36.445	26.55		1516.4							
	OBS	00010	17.36	36.447	26.55		1516.5							
	OBS	00020	17.36	36.449	26.56		1516.7							
	OBS	00030	17.33	36.431	26.55		1516.7							
	OBS	00050	17.09	36.441	26.62		1516.4							
	OBS	00075	17.05	36.443	26.63		1516.7							
	OBS	00100	17.04	36.448	26.63		1517.1							
	OBS	00125	17.03	36.445	26.63		1517.4							
	OBS	00150	16.97	36.436	26.64		1517.7							
	OBS	00200	16.85	36.415	26.65		1518.1							
	OBS	00250	16.68	36.397	26.68		1518.4							
	OBS	00300	16.58	36.381	26.69		1518.9							
	OBS	00400	16.29	36.323	26.71		1519.6							
	OBS	00500	15.49	36.133	26.75		1518.5							
	OBS	00600	13.54	35.741	26.87		1516.4							
	OBS	00700	11.49	35.425	27.03		1507.7							
	OBS	00800	09.19	35.162	27.23		1500.8							
	OBS	00900	06.90	35.026	27.47		1493.5							
	OBS	00940	06.76	35.075	27.53		1493.8							
	OBS	01000	05.90	35.042	27.62		1491.2							
	OBS	01020	05.80	35.043	27.63		1491.2							
	OBS	01050	06.18	35.132	27.65		1493.3							
	OBS	01100	05.95	35.141	27.69		1493.2							
	OBS	01200	05.24	35.088	27.74		1492.0							
	OBS	01300	04.91	35.073	27.76		1492.3							
	OBS	01400	04.60	35.048	27.78		1492.6							
	OBS	01500	04.34	35.029	27.79		1493.2							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 03840 AIR TEMP 18.5 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0053 MONTH 04 SHIP YA WET BULB 17.4 20 4 2 WIND-SPD 25 TRACE DIR D 5 SQUARE 4
LAT 35 06 N DAY 09 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 58 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X8 ORIG E25 053 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.88	36.467	26.44		1517.9							
	OBS	00010	17.88	36.486	26.46		1518.1							
	OBS	00020	17.88	36.480	26.45		1518.2							
	OBS	00030	17.85	36.487	26.46		1518.3							
	OBS	00050	17.77	36.456	26.46		1518.4							
	OBS	00075	17.37	36.440	26.55		1517.6							
	OBS	00100	17.17	36.409	26.57		1517.4							
	OBS	00125	17.01	36.414	26.61		1517.3							
	OBS	00150	16.91	36.395	26.62		1517.4							
	OBS	00200	16.99	36.457	26.65		1518.6							
	OBS	00250	16.96	36.446	26.65		1519.3							
	OBS	00275	16.30	36.292	26.69		1517.5							
	OBS	00300	16.60	36.400	26.70		1519.0							
	OBS	00400	16.12	36.278	26.72		1519.0							
	OBS	00500	15.48	36.091	26.72		1518.4							
	OBS	00600	13.58	35.739	26.86		1515.6							
	OBS	00700	10.86	35.326	27.07		1505.4							
	OBS	00800	09.14	35.193	27.27		1500.6							
	OBS	00900	07.00	35.051	27.48		1493.9							
	OBS	00942	06.22	35.032	27.57		1491.5							
	OBS	00968	06.22	35.130	27.65		1492.1							
	OBS	01000	06.23	35.139	27.65		1492.7							
	OBS	01100	05.60	35.086	27.69		1491.8							
	OBS	01200	04.97	35.036	27.73		1490.8							
	OBS	01220	04.77	35.020	27.74		1490.3							
	OBS	01240	04.81	35.037	27.75		1490.8							
	OBS	01265	04.69	35.015	27.74		1490.7							
	OBS	01300	04.80	35.052	27.76		1491.8							
	OBS	01400	04.55	35.035	27.78		1492.4							
	OBS	01500	04.34	35.027	27.79		1493.2							

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REFID 31 8094 YEAR 1969 BOTDP 04499 AIR TEMP 16.3 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0054 MONTH 04 SHIP YA WET BULB 15.9 30 4 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1017.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 54 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E25 054 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	17.31	36.397	26.53		1516.2							
	OBS	00010	17.31	36.431	26.55		1516.4							
	OBS	00020	17.31	36.432	26.56		1516.5							
	OBS	00030	17.31	36.435	26.56		1516.7							
	OBS	00050	17.31	36.437	26.56		1517.0							
	OBS	00075	17.28	36.428	26.56		1517.3							
	OBS	00100	17.12	36.428	26.60		1517.3							
	OBS	00125	16.97	36.369	26.59		1517.2							
	OBS	00150	16.63	36.316	26.63		1516.5							
	OBS	00165	16.55	36.296	26.63		1516.5							
	OBS	00200	16.73	36.411	26.68		1517.7							
	OBS	00250	16.65	36.386	26.68		1518.3							
	OBS	00300	16.59	36.387	26.69		1518.9							
	OBS	00400	16.26	36.317	26.72		1519.5							
	OBS	00500	15.33	36.059	26.73		1517.9							
	OBS	00600	13.80	35.776	26.85		1514.3							
	OBS	00700	11.38	35.415	27.05		1507.3							
	OBS	00800	09.29	35.204	27.25		1501.2							
	OBS	00900	07.16	35.088	27.49		1494.6							
	OBS	00920	06.93	35.126	27.55		1494.1							
	OBS	00940	07.00	35.167	27.57		1494.8							
	OBS	00971	06.21	35.024	27.57		1492.0							
	OBS	00990	06.38	35.172	27.66		1493.2							
	OBS	01000	06.11	35.112	27.65		1492.2							
	OBS	01010	06.00	35.085	27.64		1491.9							
	OBS	01020	06.11	35.120	27.65		1492.5							
	OBS	01050	05.68	35.051	27.65		1491.2							
	OBS	01100	05.77	35.119	27.70		1492.5							
	OBS	01200	05.12	35.066	27.73		1491.4							
	OBS	01300	04.80	35.052	27.76		1491.8							
	OBS	01400	04.56	35.037	27.78		1492.5							
	OBS	01500	04.36	35.029	27.79		1493.3							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 02999 AIR TEMP 15.6 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206
CONSEC 0055 MONTH 04 SHIP YA WET BULB 26 4 3 WIND-SPD 23 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 10 DATA USE 1 BAROMETR 1017.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 046 02 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 055 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.73	36.372	26.41		1517.4							
	OBS	00010	17.73	36.434	26.45		1517.6							
	OBS	00020	17.80	36.461	26.46		1518.0							
	OBS	00030	17.62	36.463	26.50		1517.6							
	OBS	00050	17.47	36.441	26.52		1517.5							
	OBS	00075	17.24	36.428	26.57		1517.2							
	OBS	00100	17.22	36.428	26.57		1517.6							
	OBS	00125	17.14	36.422	26.59		1517.7							
	OBS	00150	17.05	36.435	26.62		1517.9							
	OBS	00200	17.02	36.427	26.62		1518.0							
	OBS	00250	16.93	36.432	26.65		1519.2							
	OBS	00300	16.80	36.390	26.69		1519.0							
	OBS	00400	16.43	36.346	26.70		1520.0							
	OBS	00500	15.35	36.048	26.72		1516.0							
	OBS	00600	13.38	35.699	26.87		1512.9							
	OBS	00700	11.09	35.417	27.10		1506.3							
	OBS	00800	08.85	35.143	27.27		1499.5							
	OBS	00900	07.17	35.069	27.47		1494.6							
	OBS	01000	06.00	35.087	27.64		1491.7							
	OBS	01030	06.07	35.135	27.67		1492.5							
	OBS	01060	05.62	35.091	27.69		1491.2							
	OBS	01100	05.65	35.109	27.70		1492.0							
	OBS	01200	05.02	35.043	27.73		1491.0							
	OBS	01300	04.52	35.002	27.75		1490.6							
	OBS	01400	04.39	35.99 P	28.55Q									
	OBS	01500	04.39	35.029	27.79		1493.4							

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REFID 31 8094 YEAR 1969 BOTDP 02926 AIR TEMP 15.8 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0056 MONTH 04 SHIP YA WET BULB 12.4 02 3 3 WIND-SPD 21 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 10 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 056 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.3	OBS	00000	17.67	36.440	26.47		1517.3							
	OBS	00010	17.66	36.434	26.47		1517.4							
	OBS	00020	17.44	36.434	26.53		1516.9							
	OBS	00030	17.41	36.442	26.54		1517.0							
	OBS	00050	17.21	36.435	26.58		1516.7							
	OBS	00075	17.09	36.447	26.62		1516.8							
	OBS	00100	17.07	36.458	26.63		1517.2							
	OBS	00125	17.05	36.460	26.64		1517.3							
	OBS	00150	17.05	36.460	26.64		1517.9							
	OBS	00200	17.05	36.456	26.64		1516.7							
	OBS	00250	16.96	36.441	26.65		1519.3							
	OBS	00300	16.80	36.391	26.65		1519.6							
	OBS	00400	16.26	36.276	26.69		1519.4							
	OBS	00500	14.97	36.003	26.77		1516.7							
	OBS	00600	13.59	35.758	26.88		1513.6							
	OBS	00700	11.90	35.525	27.03		1509.3							
	OBS	00800	09.04	35.180	27.27		1500.2							
	OBS	00900	06.87	35.026	27.48		1493.4							
	OBS	00930	06.72	35.066	27.53		1493.4							
	OBS	00980	06.06	35.014	27.58		1491.5							
	OBS	01000	06.18	35.130	27.65		1492.5							
	OBS	01100	05.87	35.129	27.69		1492.9							
	OBS	01200	05.30	35.082	27.73		1492.2							
	OBS	01300	04.96	35.071	27.76		1492.5							
	OBS	01400	04.61	35.046	27.78		1492.7							
	OBS	01500	04.46	35.039	27.79		1493.7							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 02012	AIR TEMP 14.1	DIR HGT PER		WIND-DIR 02	INST STD RECORDER		TEN SQ 1206		
CONSEC 0057	MONTH 04	SHIP YA	WET BULB 10.6	02 7 4		WIND-SPD 29	TRACE DIR	D	5 SQUARE 4		
LAT 35 03 N	DAY 11	DATA USE L	BAROMETR 1024.3	SEA		WIND-FOR	DURATION	00.6	2 SQUARE 48		
LONG 048 04 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR		WEATHER X1	ORIG E25 057		1 SQUARE 58		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.45	36.445	26.52		1516.0							
	OBS	00010	17.45	36.453	26.54		1516.8							
	OBS	00020	17.45	36.454	26.54		1517.0							
	OBS	00030	17.45	36.455	26.54		1517.1							
	OBS	00050	17.39	36.426	26.53		1517.2							
	OBS	00075	17.09	36.450	26.62		1516.8							
	OBS	00100	17.03	36.440	26.63		1517.0							
	OBS	00125	17.02	36.442	26.63		1517.4							
	OBS	00150	17.00	36.447	26.64		1517.6							
	OBS	00200	17.00	36.455	26.65		1518.6							
	OBS	00250	17.00	36.453	26.65		1519.4							
	OBS	00300	16.92	36.420	26.64		1519.9							
	OBS	00400	16.29	36.306	26.70		1519.6							
	OBS	00500	15.03	36.008	26.76		1516.9							
	OBS	00600	13.57	35.753	26.88		1513.6							
	OBS	00700	11.72	35.473	27.03		1508.0							
	OBS	00800	09.26	35.201	27.25		1501.1							
	OBS	00900	07.41	35.038	27.41		1495.5							
	OBS	01000	06.04	34.973	27.55		1491.7							
	OBS	01020	05.79	35.025	27.62		1491.1							
	OBS	01040	05.91	35.091	27.66		1492.0							
	OBS	01100	05.85	35.124	27.69		1492.8							
	OBS	01200	05.39	35.095	27.73		1492.6							
	OBS	01300	04.70	35.024	27.75		1491.3							
	OBS	01310	04.54	35.001	27.75		1490.8							
	OBS	01350	04.56	35.011	27.76		1491.6							
	OBS	01360	04.70	35.051	27.77		1492.4							
	OBS	01400	04.57	35.038	27.78		1492.5							
	OBS	01450	04.40	35.023	27.78		1492.6							

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REFID 31 8094	YEAR 1969	BOTDP 03475	AIR TEMP 14.5	DIR HGT PER		WIND-DIR 33	INST STD RECORDER		TEN SQ 1206		
CONSEC 0058	MONTH 04	SHIP YA	WET BULB 10.5	01 3 3		WIND-SPD 20	TRACE DIR	D	5 SQUARE 4		
LAT 35 07 N	DAY 11	DATA USE 1	BAROMETR 1024.5	SEA		WIND-FOR	DURATION	00.3	2 SQUARE 48		
LONG 048 00 W	HOUR 12.5	AREA 05	CLOUD T/A	CL/TR		WEATHER X2	ORIG E25 058		1 SQUARE 58		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	17.32	36.431	26.55		1516.2							
	OBS	00010	17.32	36.432	26.55		1516.4							
	OBS	00020	17.32	36.433	26.55		1516.6							
	OBS	00030	17.32	36.433	26.55		1516.7							
	OBS	00050	17.32	36.433	26.55		1517.0							
	OBS	00075	17.16	36.429	26.59		1517.0							
	OBS	00100	17.03	36.429	26.62		1517.0							
	OBS	00125	17.03	36.436	26.64		1517.4							
	OBS	00150	17.03	36.447	26.63		1517.8							
	OBS	00200	17.02	36.461	26.65		1518.7							
	OBS	00250	17.01	36.457	26.65		1519.4							
	OBS	00300	16.99	36.457	26.65		1520.2							
	OBS	00334	16.74	36.369	26.64		1519.9							
	OBS	00400	16.56	36.375	26.69		1520.5							
	OBS	00500	15.66	36.180	26.75		1519.1							
	OBS	00600	13.87	35.607	26.86		1514.6							
	OBS	00700	12.34	35.603	27.01		1510.9							
	OBS	00800	09.82	35.177	27.14		1503.1							
	OBS	00900	07.18	35.049	27.45		1494.0							
	OBS	00932	06.86	35.078	27.52		1494.0							
	OBS	00992	06.15	35.005	27.56		1492.1							
	OBS	01000	06.12	35.051	27.60		1492.1							
	OBS	01030	06.31	35.153	27.65		1493.5							
	OBS	01100	05.88	35.109	27.68		1492.9							
	OBS	01200	05.23	35.083	27.73		1491.9							
	OBS	01300	04.93	35.065	27.76		1492.3							
	OBS	01400	04.59	35.039	27.77		1492.6							
	OBS	01500	04.47	35.044	27.79		1493.8							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04662 AIR TEMP DIR PGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0059 MONTH 04 SHIP YA WET BULB 02 4 4 WIND-SPD 20 TRACE DIR C 5 SQUARE 2
LAT 34 55 N DAY 11 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 04 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 059 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.13	36.416	26.59		1515.6							
	OBS	00010	17.12	36.421	26.59		1515.8							
	OBS	00020	17.12	36.423	26.59		1516.0							
	OBS	00030	17.10	36.430	26.60		1516.1							
	OBS	00050	17.08	36.438	26.62		1516.3							
	OBS	00075	17.07	36.442	26.62		1516.7							
	OBS	00100	17.07	36.449	26.63		1517.1							
	OBS	00125	17.07	36.457	26.63		1517.6							
	OBS	00150	17.07	36.459	26.63		1518.0							
	OBS	00200	17.06	36.456	26.63		1518.6							
	OBS	00250	17.04	36.463	26.64		1519.5							
	OBS	00300	17.03	36.441	26.63		1520.3							
	OBS	00400	16.88	36.425	26.65		1521.5							
	OBS	00500	15.75	36.167	26.72		1519.4							
	OBS	00600	14.14	35.832	26.82		1515.5							
	OBS	00700	12.30	35.570	26.99		1510.7							
	OBS	00800	10.05	35.139	27.07		1503.9							
	OBS	00900	07.65	35.106	27.43		1496.5							
	OBS	00965	06.67	35.005	27.49		1493.7							
	OBS	01000	06.50	35.162	27.64		1493.8							
	OBS	01046	06.57	35.201	27.66		1494.9							
	OBS	01100	05.93	35.120	27.68		1493.1							
	OBS	01200	05.39	35.097	27.73		1492.6							
	OBS	01300	04.96	35.070	27.76		1492.5							
	OBS	01400	04.70	35.059	27.78		1493.1							
	OBS	01500	04.47	35.034	27.78		1493.8							

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REFID 31 8094 YEAR 1969 BOTDP 04480 AIR TEMP 16.8 DIR PGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0060 MONTH 04 SHIP YA WET BULB 15.6 05 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1022.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 060 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	17.42	36.444	26.54		1516.5							
	OBS	00010	17.41	36.451	26.55		1516.7							
	OBS	00020	17.41	36.451	26.55		1516.8							
	OBS	00030	17.35	36.432	26.55		1516.8							
	OBS	00050	17.10	36.429	26.60		1516.4							
	OBS	00075	17.07	36.434	26.61		1516.7							
	OBS	00100	17.07	36.441	26.62		1517.1							
	OBS	00125	17.07	36.460	26.63		1517.6							
	OBS	00150	17.03	36.469	26.65		1517.9							
	OBS	00200	17.07	36.470	26.64		1518.8							
	OBS	00250	17.06	36.468	26.64		1519.6							
	OBS	00300	17.02	36.453	26.64		1520.3							
	OBS	00400	16.70	36.378	26.66		1520.9							
	OBS	00500	15.35	36.069	26.73		1518.0							
	OBS	00600	13.85	35.798	26.85		1514.5							
	OBS	00700	12.22	35.563	26.99		1510.4							
	OBS	00800	09.73	35.207	27.18		1502.8							
	OBS	00900	07.20	35.025	27.43		1494.7							
	OBS	00980	06.07	35.014	27.58		1491.5							
	OBS	01000	06.48	35.173	27.65		1493.7							
	OBS	01100	05.79	35.119	27.69		1492.6							
	OBS	01200	05.16	35.068	27.73		1491.6							
	OBS	01230	04.71	35.013	27.74		1490.2							
	OBS	01250	04.71	35.063	27.78		1490.6							
	OBS	01300	04.85	35.070	27.77		1492.0							
	OBS	01400	04.63	35.055	27.78		1492.8							
	OBS	01500	04.37	35.032	27.79		1493.3							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04078	AIR TEMP 16.8	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1206
CONSEC 0061	MONTH 04	SHIP YA	WET BULB 15.4	06 3 4	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 12	DATA USE 1	BAROMETR 1021.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 05.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 061	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	17.35	36.443	26.55		1516.3							
	OBS	00010	17.35	36.444	26.55		1516.5							
	OBS	00020	17.35	36.450	26.56		1516.7							
	OBS	00030	17.32	36.433	26.55		1516.7							
	OBS	00050	17.16	36.426	26.59		1516.6							
	OBS	00075	17.08	36.438	26.62		1516.8							
	OBS	00100	17.08	36.448	26.62		1517.2							
	OBS	00125	17.02	36.431	26.62		1517.4							
	OBS	00150	17.01	36.437	26.63		1517.8							
	OBS	00200	17.01	36.446	26.64		1518.6							
	OBS	00250	17.01	36.463	26.65		1519.4							
	OBS	00300	16.95	36.426	26.64		1520.0							
	OBS	00400	16.44	36.338	26.65		1520.0							
	OBS	00500	15.37	36.068	26.73		1518.1							
	OBS	00600	14.04	35.834	26.84		1515.2							
	OBS	00700	12.17	35.545	27.00		1510.2							
	OBS	00800	09.65	35.221	27.20		1502.5							
	OBS	00900	07.56	35.027	27.38		1496.1							
	OBS	01000	06.17	35.038	27.58		1492.3							
	OBS	01030	06.09	35.053	27.60		1492.5							
	OBS	01060	06.48	35.154	27.63		1494.7							
	OBS	01100	06.18	35.124	27.65		1494.1							
	OBS	01200	05.59	35.115	27.72		1493.4							
	OBS	01250	04.99	35.042	27.73		1491.7							
	OBS	01300	04.85	35.062	27.76		1492.0							
	OBS	01400	04.70	35.049	27.77		1493.1							
	OBS	01500	04.43	35.019	27.78		1493.6							

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REFID 31 8094	YEAR 1969	BOTDP 04444	AIR TEMP 17.7	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0062	MONTH 04	SHIP YA	WET BULB 16.0	10 3 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 12	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 00 W	HOUR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 062	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	17.26	36.416	26.55		1516.0							
	OBS	00010	17.26	36.416	26.55		1516.2							
	OBS	00020	17.25	36.422	26.56		1516.3							
	OBS	00030	17.25	36.424	26.56		1516.5							
	OBS	00050	17.23	36.435	26.58		1516.8							
	OBS	00075	17.10	36.431	26.61		1516.8							
	OBS	00100	17.05	36.437	26.62		1517.1							
	OBS	00125	17.05	36.440	26.62		1517.5							
	OBS	00150	17.03	36.432	26.62		1517.8							
	OBS	00200	16.89	36.399	26.63		1518.2							
	OBS	00250	16.79	36.383	26.64		1518.7							
	OBS	00300	16.60	36.369	26.68		1518.9							
	OBS	00400	16.37	36.340	26.71		1519.8							
	OBS	00500	15.99	36.272	26.75		1520.2							
	OBS	00600	14.54	35.897	26.78		1516.9							
	OBS	00700	12.28	35.499	26.94		1510.6							
	OBS	00800	09.52	35.215	27.22		1502.1							
	OBS	00900	07.34	35.042	27.42		1495.3							
	OBS	00973	06.41	35.036	27.55		1492.8							
	OBS	00990	06.94	35.213	27.62		1495.4							
	OBS	01000	06.81	35.214	27.63		1495.1							
	OBS	01100	05.84	35.112	27.68		1492.8							
	OBS	01200	05.41	35.104	27.73		1492.7							
	OBS	01300	04.90	35.069	27.76		1492.2							
	OBS	01400	04.66	35.053	27.78		1492.9							
	OBS	01500	04.35	35.027	27.79		1493.3							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04279	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0063	MONTH 04	SHIP YA	WET BULB 17.0	10 2 4	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 12	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 56 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG E25 063	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.76	36.403	26.42		1517.5							
	OBS	00010	17.38	36.415	26.53		1516.5							
	OBS	00020	17.28	36.421	26.55		1516.4							
	OBS	00030	17.23	36.426	26.57		1516.4							
	OBS	00050	17.21	36.430	26.58		1516.7							
	OBS	00075	17.17	36.426	26.58		1517.0							
	OBS	00100	17.04	36.427	26.62		1517.0							
	OBS	00125	17.02	36.445	26.64		1517.4							
	OBS	00150	17.02	36.447	26.64		1517.8							
	OBS	00200	17.02	36.449	26.64		1518.6							
	OBS	00250	17.01	36.445	26.64		1519.4							
	OBS	00300	16.88	36.403	26.64		1519.8							
	OBS	00400	16.36	36.330	26.70		1519.8							
	OBS	00500	15.31	36.062	26.74		1517.9							
	OBS	00600	13.74	35.751	26.84		1514.1							
	OBS	00700	11.35	35.394	27.04		1507.2							
	OBS	00800	08.98	35.148	27.26		1500.0							
	OBS	00900	07.50	35.079	27.43		1495.9							
	OBS	00990	06.43	35.034	27.54		1493.2							
	OBS	01000	06.76	35.177	27.61		1494.8							
	OBS	01010	06.87	35.211	27.62		1495.5							
	OBS	01022	06.69	35.202	27.64		1495.0							
	OBS	01100	06.02	35.117	27.66		1493.5							
	OBS	01200	05.42	35.099	27.72		1492.7							
	OBS	01300	04.96	35.061	27.75		1492.5							
	OBS	01400	04.58	35.047	27.78		1492.6							
	OBS	01500	04.45	35.042	27.79		1493.7							

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REFID 31 8094	YEAR 1969	BOTDP 04114	AIR TEMP 17.6	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1206
CONSEC 0064	MONTH 04	SHIP YA	WET BULB 16.5	08 2 2	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 12	DATA USE 1	BAROMETR 1021.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 02 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 064	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	17.71	36.433	26.46		1517.4							
	OBS	00010	17.52	36.422	26.50		1517.0							
	OBS	00020	17.39	36.432	26.54		1516.8							
	OBS	00030	17.36	36.435	26.55		1516.8							
	OBS	00050	17.33	36.434	26.55		1517.1							
	OBS	00075	17.28	36.420	26.55		1517.3							
	OBS	00100	17.07	36.417	26.60		1517.1							
	OBS	00125	17.04	36.433	26.62		1517.4							
	OBS	00150	16.90	36.388	26.62		1517.4							
	OBS	00200	16.93	36.410	26.63		1518.3							
	OBS	00250	16.83	36.390	26.64		1518.8							
	OBS	00300	16.67	36.387	26.67		1519.2							
	OBS	00400	16.43	36.346	26.70		1520.0							
	OBS	00500	15.94	36.204	26.70		1520.0							
	OBS	00600	14.10	35.849	26.84		1515.4							
	OBS	00700	12.15	35.517	26.98		1510.1							
	OBS	00800	09.51	35.182	27.20		1502.0							
	OBS	00900	07.23	35.036	27.44		1494.8							
	OBS	00960	06.58	35.077	27.56		1493.3							
	OBS	01000	06.82	35.175	27.60		1495.1							
	OBS	01100	05.87	35.117	27.68		1492.9							
	OBS	01200	05.39	35.066	27.70		1492.5							
	OBS	01300	04.94	35.063	27.75		1492.4							
	OBS	01400	04.74	35.053	27.77		1492.2							
	OBS	01500	04.41	35.025	27.78		1493.5							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04389 AIR TEMP 18.3 DIR MGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0065 MONTH 04 SHIP YA WET BULB 17.0 12 2 3 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2
LAT 34 57 N DAY 13 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 03 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 065 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	17.56	36.416	26.48		1516.9							
	OBS	00010	17.56	36.413	26.48		1517.1							
	OBS	00020	17.47	36.397	26.49		1517.0							
	OBS	00030	17.15	36.403	26.57		1516.2							
	OBS	00050	17.12	36.411	26.59		1516.4							
	OBS	00075	17.08	36.421	26.60		1516.7							
	OBS	00100	17.05	36.429	26.62		1517.1							
	OBS	00125	17.00	36.429	26.63		1517.3							
	OBS	00150	16.99	36.431	26.63		1517.7							
	OBS	00200	16.95	36.426	26.64		1518.4							
	OBS	00250	16.91	36.422	26.64		1519.1							
	OBS	00300	16.86	36.414	26.65		1519.8							
	OBS	00400	16.47	36.287	26.64		1520.1							
	OBS	00420	16.19	36.275	26.70		1519.5							
	OBS	00450	16.30	36.315	26.71		1520.4							
	OBS	00500	15.45	36.102	26.74		1518.4							
	OBS	00600	14.05	35.828	26.83		1515.2							
	OBS	00700	12.12	35.557	27.02		1510.1							
	OBS	00800	10.01	35.254	27.17		1503.9							
	OBS	00900	07.46	35.056	27.42		1495.7							
	OBS	01000	06.20	35.023	27.57		1492.4							
	OBS	01030	06.45	35.132	27.62		1494.0							
	OBS	01060	06.46	35.161	27.64		1494.6							
	OBS	01100	06.00	35.118	27.67		1493.4							
	OBS	01200	05.57	35.105	27.71		1493.3							
	OBS	01250	05.00	35.062	27.75		1491.8							
	OBS	01300	04.92	35.065	27.76		1492.3							
	OBS	01400	04.57	35.038	27.78		1492.5							
	OBS	01500	04.35	35.022	27.79		1493.2							

REFID 31 8094 YEAR 1969 BOTDP 04572 AIR TEMP 18.5 DIR MGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0066 MONTH 04 SHIP YA WET BULB 17.2 10 2 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2
LAT 34 53 N DAY 13 DATA USE 1 BAROMETR 1020.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 046 03 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 066 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.35	36.435	26.55		1516.3							
	OBS	00010	17.34	36.434	26.55		1516.5							
	OBS	00020	17.26	36.438	26.57		1516.4							
	OBS	00030	17.22	36.441	26.58		1516.4							
	OBS	00050	17.17	36.436	26.59		1516.6							
	OBS	00075	17.10	36.439	26.61		1516.8							
	OBS	00100	17.09	36.443	26.62		1517.2							
	OBS	00125	17.07	36.447	26.62		1517.6							
	OBS	00150	17.07	36.449	26.63		1518.0							
	OBS	00200	17.05	36.454	26.63		1518.7							
	OBS	00250	17.04	36.457	26.64		1519.3							
	OBS	00300	16.97	36.441	26.64		1520.1							
	OBS	00400	16.64	36.375	26.67		1520.7							
	OBS	00500	15.91	36.203	26.71		1519.9							
	OBS	00600	14.03	35.756	26.76		1513.1							
	OBS	00700	11.93	35.525	27.03		1509.4							
	OBS	00800	09.57	35.247	27.24		1502.3							
	OBS	00900	07.46	35.057	27.42		1495.7							
	OBS	01000	06.12	35.013	27.57		1492.1							
	OBS	01010	05.94	34.993	27.58		1491.5							
	OBS	01030	06.37	35.122	27.62		1493.8							
	OBS	01045	06.26	35.120	27.63		1493.5							
	OBS	01052	06.37	35.170	27.66		1494.1							
	OBS	01100	06.05	35.118	27.66		1493.6							
	OBS	01200	05.40	35.093	27.72		1492.6							
	OBS	01300	04.99	35.070	27.75		1492.6							
	OBS	01400	04.75	35.053	27.77		1493.3							
	OBS	01500	04.43	35.021	27.78		1493.6							

TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04480 AIR TEMP 19.4 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0067 MONTH 04 SHIP YA WET BULB 17.3 10 2 4 WIND-SPD 06 TRACE DIR 6 5 SQUARE 2
LAT 34 55 N DAY 13 DATA USE 1 BAROMETR 1019.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 01 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 067 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	18.00	36.424	26.38		1516.2							
	OBS	00010	17.47	36.455	26.50		1516.9							
	OBS	00020	17.31	36.426	26.55		1516.5							
	OBS	00030	17.27	36.426	26.56		1516.6							
	OBS	00050	17.20	36.428	26.58		1516.7							
	OBS	00075	17.10	36.442	26.61		1516.8							
	OBS	00100	17.08	36.447	26.62		1517.2							
	OBS	00125	17.03	36.437	26.63		1517.4							
	OBS	00150	17.00	36.444	26.64		1517.3							
	OBS	00200	16.98	36.439	26.64		1518.5							
	OBS	00250	16.86	36.423	26.66		1519.0							
	OBS	00300	16.65	36.384	26.68		1519.1							
	OBS	00400	16.28	36.301	26.70		1519.5							
	OBS	00500	15.05	36.025	26.77		1517.0							
	OBS	00600	13.57	36.76 P	27.66Q									
	OBS	00700	11.78	35.446	27.00		1508.8							
	OBS	00800	09.92	35.253	27.18		1503.0							
	OBS	00900	07.59	35.058	27.40		1496.2							
	OBS	00990	06.23	35.058	27.59		1492.4							
	OBS	01000	06.68	35.136	27.59		1494.3							
	OBS	01013	06.58	35.136	27.60		1494.3							
	OBS	01030	06.83	35.206	27.63		1495.6							
	OBS	01100	05.91	35.121	27.68		1493.0							
	OBS	01200	05.44	35.105	27.73		1492.8							
	OBS	01300	05.01	35.076	27.76		1492.7							
	OBS	01400	04.65	35.050	27.78		1492.8							
	OBS	01500	04.42	35.033	27.79		1493.6							

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REFID 31 8094 YEAR 1969 BOTDP 04480 AIR TEMP 18.2 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0068 MONTH 04 SHIP YA WET BULB 16.9 14 2 3 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2
LAT 34 53 N DAY 14 DATA USE 1 BAROMETR 1019.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 04 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 068 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.93	36.413	26.39		1518.0							
	OBS	00010	17.73	36.411	26.44		1517.6							
	OBS	00020	17.33	36.421	26.54		1516.6							
	OBS	00030	17.27	36.417	26.55		1516.6							
	OBS	00050	17.16	36.423	26.58		1516.6							
	OBS	00075	17.10	36.440	26.61		1516.8							
	OBS	00100	17.09	36.447	26.62		1517.2							
	OBS	00125	17.08	36.448	26.62		1517.6							
	OBS	00150	17.07	36.448	26.63		1518.0							
	OBS	00200	17.02	36.447	26.64		1518.6							
	OBS	00250	16.90	36.431	26.65		1519.1							
	OBS	00300	16.75	36.396	26.66		1519.4							
	OBS	00400	16.49	36.354	26.69		1520.2							
	OBS	00500	15.92	36.173	26.69		1519.9							
	OBS	00600	14.34	35.841	26.78		1516.2							
	OBS	00700	11.77	35.476	27.02		1508.8							
	OBS	00800	09.46	35.180	27.20		1501.8							
	OBS	00900	07.41	35.049	27.42		1495.5							
	OBS	00960	06.54	35.027	27.52		1493.1							
	OBS	00970	06.38 P	35.09 P	27.59Q									
	OBS	00980	06.54	35.074	27.56 *		1493.5							
	OBS	00990	06.81	35.153	27.59		1494.8							
	OBS	01000	06.70	35.125	27.58		1494.5							
	OBS	01010	06.87	35.213	27.63		1495.5							
	OBS	01050	06.53	35.159	27.63		1494.7							
	OBS	01100	06.01	35.129	27.67		1493.5							
	OBS	01200	05.57	35.107	27.71		1493.3							
	OBS	01300	04.91	35.096	27.78		1492.3							
	OBS	01400	04.66	35.046	27.77		1492.9							
	OBS	01500	04.42	35.034	27.79		1493.6							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04517 AIR TEMP 18.6 DIR MGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0069 MONTH 04 SHIP YA WET BULB 16.7 11 2 3 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2
LAT 34 57 N DAY 14 DATA USE 1 BAROMETR 1018.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 069 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.60	36.424	26.48		1517.0							
	OBS	00010	17.60	36.424	26.48		1517.2							
	OBS	00020	17.38	36.431	26.54		1516.7							
	OBS	00030	17.14	36.425	26.59		1516.2							
	OBS	00050	17.09	36.431	26.61		1516.4							
	OBS	00075	17.07	36.433	26.61		1516.7							
	OBS	00100	17.05	36.438	26.62		1517.1							
	OBS	00125	17.05	36.439	26.62		1517.5							
	OBS	00150	17.05	36.439	26.62		1517.9							
	OBS	00200	16.98	36.438	26.64		1518.3							
	OBS	00250	16.75	36.384	26.65		1518.6							
	OBS	00300	16.30	36.261	26.66		1517.9							
	OBS	00400	15.43	36.097	26.74		1516.6							
	OBS	00500	14.28	35.852	26.80		1514.3							
	OBS	00600	13.08	35.668	26.91		1511.8							
	OBS	00700	11.46	35.455	27.06		1507.7							
	OBS	00800	09.18	35.264	27.31		1500.9							
	OBS	00900	07.51	35.069	27.44		1496.0							
	OBS	00920	07.09	35.096	27.50		1494.7							
	OBS	00950	06.98	35.116	27.53		1494.8							
	OBS	00965	07.14	35.170	27.56		1495.7							
	OBS	00980	07.02	35.156	27.56		1495.5							
	OBS	01000	07.11	35.203	27.58		1496.2							
	OBS	01100	06.07	35.111	27.65		1493.7							
	OBS	01200	05.35	35.055	27.70		1492.4							
	OBS	01300	04.94	35.054	27.75		1492.4							
	OBS	01400	04.64	35.036	27.77		1492.8							
	OBS	01500	04.38	35.016	27.78		1493.4							

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REFID 31 8094 YEAR 1969 BOTDP 04535 AIR TEMP 18.4 DIR MGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0070 MONTH 04 SHIP YA WET BULB 16.8 00 0 0 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4
LAT 35 01 N DAY 14 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 047 59 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 070 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.56	36.421	26.49		1516.9							
	OBS	00010	17.56	36.404	26.47		1517.1							
	OBS	00020	17.38	36.426	26.53		1516.7							
	OBS	00030	17.22	36.434	26.58		1516.4							
	OBS	00050	17.15	36.444	26.60		1516.6							
	OBS	00075	17.14	36.448	26.61		1516.9							
	OBS	00100	17.11	36.449	26.62		1517.3							
	OBS	00125	17.10	36.448	26.62		1517.6							
	OBS	00150	17.09	36.447	26.62		1518.0							
	OBS	00200	17.02	36.418	26.61		1518.6							
	OBS	00250	16.86	36.401	26.64		1518.9							
	OBS	00300	16.66	36.362	26.66		1519.1							
	OBS	00400	15.95	36.218	26.71		1518.4							
	OBS	00500	15.03	36.023	26.77		1516.9							
	OBS	00573	14.14	35.830	26.82		1515.1							
	OBS	00580	14.20	35.890	26.85		1515.4							
	OBS	00600	13.72	35.733	26.83		1514.0							
	OBS	00700	11.27	35.334	27.00		1506.8							
	OBS	00800	09.72	35.158	27.14		1502.7							
	OBS	00900	07.47	35.207	27.53		1496.0							
	OBS	00910	07.13	35.157	27.54		1494.8							
	OBS	00950	07.19	35.207	27.58		1495.7							
	OBS	01000	06.82	35.175	27.60		1495.1							
	OBS	01100	06.02	35.089	27.64		1493.4							
	OBS	01200	05.34	35.051	27.70		1492.3							
	OBS	01300	04.96	35.052	27.74		1492.4							
	OBS	01400	04.66	35.035	27.76		1492.9							
	OBS	01500	04.35	35.002	27.77		1493.2							
	OBS	01750	04.17	34.984	27.78		1496.7							
	OBS	02000	03.89	34.980	27.80		1499.7							
	OBS	02500	03.43	34.961	27.83		1506.3							
	OBS	03000	02.96	34.938	27.86		1512.9							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04709 AIR TEMP 18.8 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0071 MONTH 04 SHIP YA WET BULB 16.2 10 2 4 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 14 DATA USE 1 BAROMETR 1017.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 56 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 071 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	18.08	36.433	26.37		1518.4							
	OBS	00010	17.60	36.433	26.49		1517.2							
	OBS	00020	17.33	36.425	26.54		1516.6							
	OBS	00030	17.16	36.434	26.59		1516.2							
	OBS	00050	17.08	36.440	26.62		1516.3							
	OBS	00075	17.07	36.442	26.62		1516.7							
	OBS	00100	17.05	36.447	26.63		1517.1							
	OBS	00125	17.05	36.446	26.63		1517.5							
	OBS	00150	17.02	36.447	26.64		1517.8							
	OBS	00200	17.00	36.445	26.64		1518.6							
	OBS	00250	16.96	36.431	26.64		1519.3							
	OBS	00300	16.68	36.334	26.63		1519.1							
	OBS	00400	15.76	36.199	26.74		1517.8							
	OBS	00500	14.58	35.957	26.82		1515.4							
	OBS	00512	14.75	36.034	26.84		1516.3							
	OBS	00600	13.58	35.739	26.86		1513.6							
	OBS	00700	11.89	35.494	27.01		1509.2							
	OBS	00800	09.60	35.221	27.21		1502.4							
	OBS	00900	07.55	35.087	27.43		1496.1							
	OBS	00970	06.85	35.153	27.58		1494.7							
	OBS	00987	06.96	35.186	27.59		1495.4							
	OBS	01000	06.89	35.172	27.59		1495.3							
	OBS	01051	06.31	35.133	27.64		1493.8							
	OBS	01100	05.67	35.045	27.65		1492.0							
	OBS	01115	05.59	35.049	27.66		1491.9							
	OBS	01130	05.71	35.119	27.70		1492.7							
	OBS	01200	05.22	35.062	27.72		1491.8							
	OBS	01300	04.94	35.074	27.76		1492.4							
	OBS	01400	04.60	35.037	27.77		1492.6							
	OBS	01500	04.35	35.019	27.79		1493.2							

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REFID 31 8094 YEAR 1969 BOTDP 04718 AIR TEMP 18.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0072 MONTH 04 SHIP YA WET BULB 15.9 19 1 3 WIND-SPD 07 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 15 DATA USE 1 BAROMETR 1017.4 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 54 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E25 072 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	18.08	36.424	26.36		1518.4							
	OBS	00010	18.07	36.425	26.36		1518.6							
	OBS	00020	18.03	36.405	26.36		1518.6							
	OBS	00030	17.37	36.441	26.55		1516.9							
	OBS	00050	17.14	36.450	26.61		1516.5							
	OBS	00075	17.11	36.451	26.62		1516.9							
	OBS	00100	17.10	36.454	26.62		1517.2							
	OBS	00125	17.10	36.453	26.62		1517.6							
	OBS	00150	17.10	36.451	26.62		1518.1							
	OBS	00200	17.00	36.435	26.63		1518.6							
	OBS	00250	16.80	36.403	26.66		1518.7							
	OBS	00300	16.47	36.320	26.67		1518.5							
	OBS	00400	15.67	36.166	26.74		1517.5							
	OBS	00430	15.23	36.087	26.78		1516.5							
	OBS	00450	15.37	36.155	26.80		1517.4							
	OBS	00500	14.29	35.867	26.81		1514.4							
	OBS	00510	14.27	35.883	26.83		1514.5							
	OBS	00530	14.48	35.991	26.87		1515.7							
	OBS	00600	13.44	35.711	26.87		1513.1							
	OBS	00700	11.39	35.444	27.07		1507.4							
	OBS	00800	09.36	35.251	27.28		1501.5							
	OBS	00900	07.55	35.156	27.48		1496.2							
	OBS	00970	06.98	35.163	27.57		1495.2							
	OBS	00990	07.10	35.202	27.58		1496.0							
	OBS	01000	06.83	35.151	27.58		1495.1							
	OBS	01100	06.02	35.110	27.66		1493.5							
	OBS	01200	05.52	35.073	27.69		1493.1							
	OBS	01300	05.02	35.062	27.74		1492.7							
	OBS	01400	04.63	35.038	27.77		1492.7							
	OBS	01500	04.34	35.021	27.79		1493.2							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04572 AIR TEMP 17.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0073 MONTH 04 SHIP YA WET BULB 16.0 12 2 3 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2
LAT 34 59 N DAY 15 DATA USE 1 BAROMETR 1014.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 51 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID E25 073 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	17.69	36.445	26.47		1517.3							
	OBS	00010	17.68	36.443	26.47		1517.5							
	OBS	00020	17.39	36.412	26.52		1516.7							
	OBS	00030	17.31	36.412	26.54		1516.7							
	OBS	00050	17.23	36.411	26.56		1516.8							
	OBS	00075	17.01	36.426	26.62		1516.5							
	OBS	00100	17.00	36.441	26.64		1516.9							
	OBS	00125	16.93	36.407	26.63		1517.1							
	OBS	00150	16.76	36.357	26.63		1516.9							
	OBS	00200	16.46	36.314	26.67		1516.8							
	OBS	00230	16.15	36.245	26.69		1516.3							
	OBS	00240	16.22	36.265	26.69		1516.7							
	OBS	00250	16.15	36.241	26.68		1516.6							
	OBS	00255	16.10	36.225	26.68		1516.5							
	OBS	00300	15.96	36.202	26.70		1516.8							
	OBS	00400	15.33	36.076	26.74		1516.3							
	OBS	00500	14.14	35.832	26.82		1513.9							
	OBS	00600	12.70	35.628	26.96		1510.5							
	OBS	00700	11.00	35.414	27.12		1506.0							
	OBS	00760	10.29	35.247	27.11		1504.2							
	OBS	00800	09.29	35.280	27.31		1501.3							
	OBS	00900	07.33	35.117	27.48		1495.3							
	OBS	00950	06.64	35.094	27.56		1493.4							
	OBS	01000	06.43	35.129	27.62		1493.5							
	OBS	01100	05.85	35.108	27.68		1492.8							
	OBS	01200	05.38	35.086	27.72		1492.5							
	OBS	01300	04.95	35.060	27.75		1492.4							
	OBS	01400	04.64	35.035	27.77		1492.8							
	OBS	01500	04.41	35.022	27.78		1493.5							

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REFID 31 8094 YEAR 1969 BOTDP 04663 AIR TEMP 17.8 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0074 MONTH 04 SHIP YA WET BULB 16.2 25 3 2 WIND-SPD 18 TRACE DIR 0 5 SQUARE 2
LAT 34 59 N DAY 15 DATA USE 1 BAROMETR 1013.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 01 W HOUR 12.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID E25 074 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	17.71	36.437	26.46		1517.4							
	OBS	00010	17.47	36.431	26.52		1516.8							
	OBS	00020	17.20	36.435	26.58		1516.2							
	OBS	00030	17.14	36.438	26.60		1516.2							
	OBS	00050	17.08	36.447	26.62		1516.4							
	OBS	00075	17.05	36.452	26.63		1516.7							
	OBS	00100	17.03	36.454	26.64		1517.0							
	OBS	00125	16.99	36.440	26.64		1517.3							
	OBS	00150	16.91	36.431	26.65		1517.5							
	OBS	00200	16.74	36.404	26.67		1517.7							
	OBS	00250	16.34	36.329	26.71		1517.3							
	OBS	00300	15.89	36.228	26.73		1516.6							
	OBS	00400	15.25	36.068	26.76		1516.1							
	OBS	00422	15.00	36.046	26.80		1515.6							
	OBS	00435	15.06	36.086	26.81		1516.1							
	OBS	00448	14.80	36.030	26.83		1515.4							
	OBS	00500	14.59	35.949	26.81		1515.5							
	OBS	00528	13.93	35.804	26.84		1513.6							
	OBS	00532	13.74	35.740	26.83		1513.0							
	OBS	00600	12.88	35.650	26.94		1511.1							
	OBS	00700	10.59	35.382	27.17		1504.5							
	OBS	00800	09.02	35.239	27.32		1500.2							
	OBS	00900	07.42	35.157	27.50		1495.7							
	OBS	00937	06.95	35.082	27.51		1494.4							
	OBS	00963	06.65	35.183	27.63		1493.8							
	OBS	01000	06.48	35.155	27.63		1493.7							
	OBS	01100	05.41	35.036	27.68		1490.9							
	OBS	01200	05.07	35.069	27.74		1491.2							
	OBS	01215	05.07	35.075	27.75		1491.5							
	OBS	01265	04.74	35.035	27.75		1490.9							
	OBS	01300	04.78	35.060	27.77		1491.7							
	OBS	01400	04.50	35.034	27.78		1492.2							
	OBS	01500	04.28	35.013	27.79		1492.9							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04718	AIR TEMP 16.5	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1206
CONSEC 0075	MONTH 04	SHIP YA	WET BULB 15.0	33 3 2	WIND-SPD 28	TRACE DIR D	5 SQUARE 2
LAT 34 53 N	DAY 15	DATA USE 1	BAROMETR 1015.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 02 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X8	ORIG E25 075	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	17.67	36.432	26.47		1517.3							
	OBS	00010	17.66	36.434	26.47		1517.4							
	OBS	00020	17.66	36.432	26.47		1517.6							
	OBS	00030	17.48	36.423	26.51		1517.2							
	OBS	00050	17.17	36.430	26.59		1516.6							
	OBS	00075	17.09	36.436	26.61		1516.8							
	OBS	00100	17.06	36.441	26.62		1517.1							
	OBS	00125	17.05	36.442	26.63		1517.5							
	OBS	00150	17.04	36.447	26.63		1517.9							
	OBS	00200	16.99	36.443	26.64		1518.5							
	OBS	00250	16.87	36.406	26.64		1519.0							
	OBS	00300	16.58	36.361	26.68		1518.9							
	OBS	00400	15.80	36.205	26.74		1517.9							
	OBS	00500	14.67	35.935	26.78		1515.7							
	OBS	00515	14.51	35.922	26.81		1515.4							
	OBS	00535	14.67	35.980	26.82		1516.3							
	OBS	00600	13.37	35.706	26.88		1512.8							
	OBS	00700	11.12	35.405	27.09		1506.4							
	OBS	00800	09.23	35.241	27.29		1501.0							
	OBS	00900	07.31	35.070	27.45		1495.2							
	OBS	00968	06.69	35.129	27.58		1494.0							
	OBS	01000	06.16	35.074	27.61		1492.3							
	OBS	01033	06.08	35.136	27.67		1492.6							
	OBS	01100	05.72	35.108	27.69		1492.3							
	OBS	01200	05.29	35.083	27.73		1492.2							
	OBS	01300	04.89	35.061	27.76		1492.2							
	OBS	01400	04.59	35.038	27.77		1492.6							
	OBS	01500	04.27	35.005	27.78		1492.9							

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REFID 31 8094	YEAR 1969	BOTDP 04755	AIR TEMP 14.9	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1206
CONSEC 0076	MONTH 04	SHIP YA	WET BULB 11.4	33 5 3	WIND-SPD 21	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 16	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 40 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 076	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.33	36.404	26.53		1516.2							
	OBS	00010	17.33	36.414	26.54		1516.4							
	OBS	00020	17.32	36.417	26.54		1516.5							
	OBS	00030	17.31	36.414	26.54		1516.7							
	OBS	00050	17.09	36.441	26.62		1516.4							
	OBS	00075	17.06	36.440	26.62		1516.7							
	OBS	00100	17.04	36.440	26.63		1517.0							
	OBS	00125	17.04	36.438	26.62		1517.5							
	OBS	00150	16.99	36.429	26.63		1517.7							
	OBS	00200	16.77	36.385	26.65		1517.8							
	OBS	00250	16.54	36.355	26.68		1517.9							
	OBS	00300	16.30	36.276	26.68		1517.9							
	OBS	00400	15.36	36.087	26.75		1516.4							
	OBS	00500	14.32	35.885	26.82		1514.5							
	OBS	00510	14.58	35.973	26.83		1515.0							
	OBS	00600	13.08	35.671	26.91		1511.8							
	OBS	00700	11.26	35.425	27.08		1508.4							
	OBS	00800	09.75	35.300	27.25		1505.0							
	OBS	00900	07.86	35.146	27.43		1497.4							
	OBS	01000	06.67	35.102	27.57		1494.4							
	OBS	01100	06.07	35.127	27.66		1493.7							
	OBS	01200	05.31	35.067	27.71		1492.2							
	OBS	01300	04.88	35.043	27.74		1492.1							
	OBS	01400	04.57	35.027	27.77		1492.5							
	OBS	01500	04.31	35.010	27.78		1493.1							

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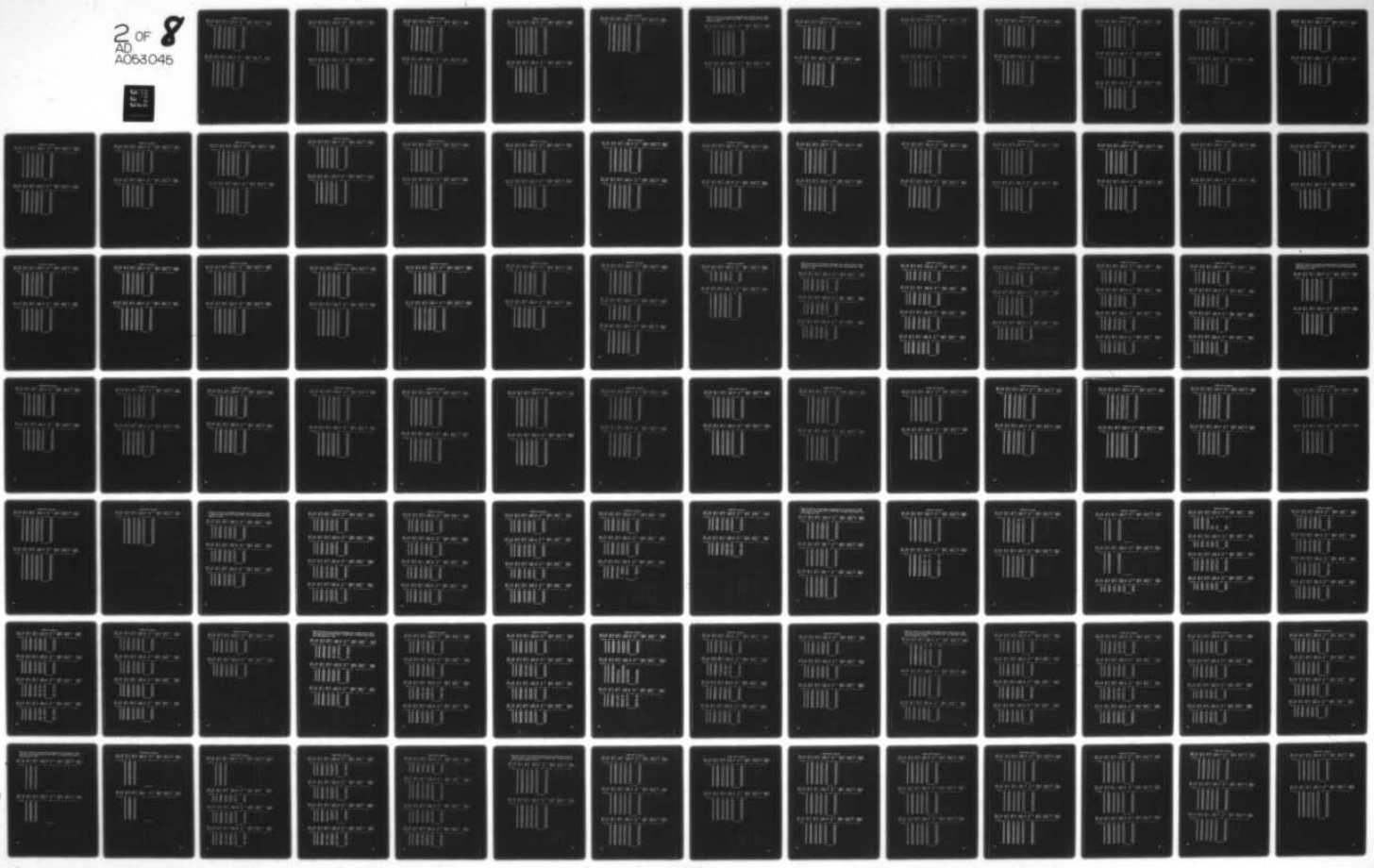


TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04206 AIR TEMP 14.8 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0077 MONTH 04 SHIP YA WET BULB 11.1 31 4 3 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4
LAT 35 02 N DAY 16 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 03.5 2 SQUARE 46
LONG 047 59 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 077 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.41	36.412	26.52		1516.5							
	OBS	00010	17.42	36.414	26.51		1516.7							
	OBS	00020	17.42	36.415	26.52		1516.8							
	OBS	00030	17.42	36.416	26.52		1517.0							
	OBS	00050	17.37	36.411	26.52		1517.2							
	OBS	00075	17.00	36.390	26.60		1516.5							
	OBS	00100	16.72	36.377	26.65		1516.0							
	OBS	00125	16.58	36.346	26.66		1516.0							
	OBS	00150	16.49	36.327	26.67		1516.1							
	OBS	00200	16.30	36.301	26.70		1516.3							
	OBS	00250	16.07	36.246	26.71		1516.3							
	OBS	00300	15.79	36.180	26.72		1516.2							
	OBS	00400	14.77	36.94 P	27.54Q									
	OBS	00500	13.79	35.765	26.84		1512.6							
	OBS	00600	12.64	35.617	26.96		1510.3							
	OBS	00700	10.94	35.386	27.11		1505.8							
	OBS	00800	09.52	35.210	27.22		1502.1							
	OBS	00900	07.57	35.109	27.44		1496.2							
	OBS	00950	07.23	35.175	27.54		1495.8							
	OBS	00970	07.27	35.184	27.55		1496.3							
	OBS	01000	06.86	35.152	27.58		1495.2							
	OBS	01100	05.87	35.089	27.66		1492.8							
	OBS	01200	05.12	35.025	27.70		1491.4							
	OBS	01300	04.83	35.042	27.75		1491.9							
	OBS	01400	04.56	35.030	27.77		1492.4							
	OBS	01500	04.28	35.009	27.78		1492.9							

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REFID 31 8094 YEAR 1969 BOTDP 04572 AIR TEMP 16.5 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206
CONSEC 0078 MONTH 04 SHIP YA WET BULB 12.6 30 4 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2
LAT 34 56.5N DAY 16 DATA USE 1 BAROMETR 1021.4 SEA WIND-FOR DURATION 03.3 2 SQUARE 46
LONG 047 48 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 078 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.40	36.399	26.51		1516.4							
	OBS	00010	17.40	36.400	26.51		1516.6							
	OBS	00020	17.40	36.402	26.51		1516.8							
	OBS	00030	17.40	36.406	26.51		1516.9							
	OBS	00050	17.08	36.387	26.58		1516.3							
	OBS	00075	17.01	36.389	26.59		1516.5							
	OBS	00100	16.78	36.374	26.64		1516.2							
	OBS	00125	16.62	36.361	26.67		1516.1							
	OBS	00150	16.54	36.350	26.68		1516.3							
	OBS	00200	16.32	36.292	26.68		1516.3							
	OBS	00250	15.84	36.183	26.71		1515.6							
	OBS	00262	16.00	36.243	26.72		1516.3							
	OBS	00300	15.68	36.212	26.72		1516.5							
	OBS	00400	15.31	36.051	26.73		1516.2							
	OBS	00500	14.12	35.819	26.81		1513.8							
	OBS	00600	12.69	35.589	26.93		1510.4							
	OBS	00700	11.30	35.377	27.03		1507.0							
	OBS	00773	09.66	35.138	27.14		1502.0							
	OBS	00880	09.06	35.221	27.30		1501.7							
	OBS	00900	07.77	35.157	27.45		1497.1							
	OBS	00962	07.22	35.084	27.47		1495.9							
	OBS	00975	06.89	35.165	27.58		1494.9							
	OBS	01000	06.58	35.115	27.59		1494.0							
	OBS	01100	05.65	35.055	27.66		1491.9							
	OBS	01200	05.42	35.044	27.68		1492.6							
	OBS	01260	04.94	35.015	27.72		1492.0							
	OBS	01300	05.05	35.045	27.73		1492.8							
	OBS	01400	04.88	35.038	27.74		1493.3							
	OBS	01500	04.64	35.019	27.75		1494.4							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04435 AIR TEMP 16.4 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1206
CONSEC 0079 MONTH 04 SHIP YA WET BULB 12.6 32 6 3 WIND-SPD 19 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 16 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 079 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	17.29	36.387	26.53		1516.1							
	OBS	00010	17.28	36.390	26.53		1516.2							
	OBS	00020	17.28	36.392	26.53		1516.4							
	OBS	00030	17.27	36.395	26.54		1516.5							
	OBS	00050	17.03	36.391	26.59		1516.1							
	OBS	00075	16.80	36.375	26.63		1515.8							
	OBS	00100	16.62	36.360	26.67		1515.7							
	OBS	00125	16.53	36.360	26.69		1515.8							
	OBS	00150	16.49	36.348	26.69		1516.1							
	OBS	00200	16.32	36.316	26.70		1516.4							
	OBS	00250	16.13	36.255	26.70		1516.5							
	OBS	00300	15.68	36.172	26.74		1515.9							
	OBS	00400	14.70	35.957	26.79		1514.2							
	OBS	00500	13.78	35.787	26.86		1512.6							
	OBS	00600	12.69	35.589	26.93		1510.4							
	OBS	00700	11.09	35.388	27.08		1506.3							
	OBS	00800	09.27	35.240	27.28		1501.2							
	OBS	00900	07.19	35.085	27.48		1494.7							
	OBS	00920	06.82	35.087	27.53		1493.6							
	OBS	00960	06.83	35.096	27.54		1494.3							
	OBS	01000	06.38	35.095	27.60		1493.2							
	OBS	01100	05.46	35.026	27.66		1491.1							
	OBS	01140	05.10	34.997	27.68		1490.3							
	OBS	01160	05.05	34.998	27.69		1490.5							
	OBS	01200	05.23	35.057	27.71		1491.9							
	OBS	01240	05.21	35.063	27.72		1492.5							
	OBS	01300	04.88	35.052	27.75		1492.1							
	OBS	01400	04.35	35.024	27.77		1492.4							
	OBS	01500	04.35	35.015	27.78		1493.2							

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REFID 31 8094 YEAR 1969 BOTDP 04206 AIR TEMP 13.9 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206
CONSEC 0060 MONTH 04 SHIP YA WET BULB 10.6 34 4 3 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 17 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 57 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 080 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.27	36.388	26.53		1516.0							
	OBS	00010	17.26	36.393	26.54		1516.2							
	OBS	00020	17.26	36.395	26.54		1516.3							
	OBS	00030	17.26	36.392	26.54		1516.5							
	OBS	00050	17.19	36.391	26.55		1516.6							
	OBS	00075	16.94	36.380	26.60		1516.3							
	OBS	00100	16.65	36.378	26.67		1515.8							
	OBS	00125	16.40	36.339	26.70		1515.4							
	OBS	00150	16.37	36.324	26.70		1515.7							
	OBS	00200	16.20	36.275	26.70		1516.0							
	OBS	00250	15.81	36.152	26.69		1515.4							
	OBS	00300	15.42	36.081	26.73		1515.0							
	OBS	00400	14.66	35.924	26.78		1514.0							
	OBS	00500	13.84	35.759	26.82		1512.8							
	OBS	00600	12.43	35.574	26.97		1509.5							
	OBS	00700	10.64	35.384	27.16		1504.7							
	OBS	00800	08.82	35.161	27.29		1499.4							
	OBS	00900	07.06	35.080	27.49		1494.2							
	OBS	00930	06.81	35.096	27.54		1493.8							
	OBS	00960	06.88	35.145	27.57		1494.6							
	OBS	01000	06.53	35.112	27.59		1493.8							
	OBS	01100	05.81	35.098	27.68		1492.6							
	OBS	01170	05.53	35.066	27.68		1492.6							
	OBS	01200	05.20	35.065	27.72		1491.8							
	OBS	01210	05.19	35.064	27.72		1491.9							
	OBS	01220	05.28	35.084	27.73		1492.5							
	OBS	01300	05.02	35.053	27.74		1492.7							
	OBS	01400	04.65	35.034	27.76		1492.8							
	OBS	01500	04.35	35.003	27.77		1493.2							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BUTDP 03749	AIR TEMP 14.6	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1206
CONSEC 0081	MONTH 04	SHIP YA	WET BULB 10.5	01 0 5	WIND-SPD 14	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 17	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 05 W	HOUR 05.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	GRID 625 081	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	17.23	36.392	26.54		1515.9							
	OBS	00010	17.22	36.393	26.55		1516.0							
	OBS	00020	17.22	36.392	26.55		1516.2							
	OBS	00030	17.22	36.395	26.55		1516.4							
	OBS	00050	17.22	36.398	26.55		1516.7							
	OBS	00075	16.97	36.389	26.60		1516.4							
	OBS	00100	16.75	36.373	26.64		1516.1							
	OBS	00125	16.59	36.357	26.67		1516.0							
	OBS	00150	16.48	36.340	26.68		1516.1							
	OBS	00200	16.40	36.312	26.68		1516.6							
	OBS	00250	16.11	36.265	26.71		1516.5							
	OBS	00300	15.89	36.201	26.71		1516.0							
	OBS	00400	15.37	36.076	26.74		1516.4							
	OBS	00500	13.94	35.803	26.84		1513.2							
	OBS	00600	12.60	35.618	26.97		1510.1							
	OBS	00700	11.50	35.365	26.99		1507.7							
	OBS	00800	09.08	35.200	27.28		1500.4							
	OBS	00900	07.44	35.117	27.47		1495.7							
	OBS	00930	07.24	35.161	27.53		1495.5							
	OBS	00960	07.24	35.179	27.55		1496.0							
	OBS	01000	06.75	35.135	27.58		1494.7							
	OBS	01100	05.65	35.064	27.67		1491.9							
	OBS	01120	05.61	35.069	27.68		1492.1							
	OBS	01130	05.31	35.028	27.68		1491.0							
	OBS	01140	05.48	35.067	27.69		1491.9							
	OBS	01200	05.13	35.035	27.71		1491.4							
	OBS	01300	04.71	35.026	27.75		1491.4							
	OBS	01400	04.65	35.037	27.77		1492.8							
	OBS	01500	04.38	35.013	27.78		1493.4							

REFID 31 8094	YEAR 1969	BUTDP 04261	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1206
CONSEC 0082	MONTH 04	SHIP YA	WET BULB 11.0	33 4 4	WIND-SPD 09	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 17	DATA USE 1	BAROMETR 1028.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 01 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	GRID 625 082	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.28	36.413	26.55		1516.1							
	OBS	00010	17.27	36.414	26.55		1516.2							
	OBS	00020	17.27	36.415	26.55		1516.4							
	OBS	00030	17.27	36.418	26.55		1516.6							
	OBS	00050	17.27	36.413	26.55		1516.9							
	OBS	00075	17.03	36.393	26.59		1516.5							
	OBS	00100	16.82	36.388	26.64		1516.3							
	OBS	00125	16.65	36.370	26.67		1516.2							
	OBS	00150	16.57	36.362	26.68		1516.4							
	OBS	00200	16.40	36.328	26.69		1516.6							
	OBS	00250	16.21	36.290	26.71		1516.8							
	OBS	00300	15.89	36.221	26.73		1516.6							
	OBS	00400	15.26	36.054	26.74		1516.1							
	OBS	00500	14.07	35.813	26.82		1513.6							
	OBS	00600	12.46	35.589	26.97		1509.6							
	OBS	00700	10.71	35.394	27.15		1504.9							
	OBS	00712	10.65	35.396	27.17		1504.9							
	OBS	00741	09.94	35.227	27.16		1502.6							
	OBS	00800	09.41	35.215	27.24		1501.7							
	OBS	00830	08.72	35.142	27.29		1499.5							
	OBS	00849	08.35	35.170	27.37		1498.5							
	OBS	00870	08.06	35.118	27.38		1497.6							
	OBS	00900	07.41	35.076	27.44		1495.6							
	OBS	00940	07.13	35.115	27.51		1495.2							
	OBS	00951	07.06	35.191	27.58		1495.2							
	OBS	01000	06.81	35.144	27.58		1495.0							
	OBS	01092	05.87	35.109	27.68		1492.7							
	OBS	01100	05.85	35.094	27.67		1492.8							
	OBS	01125	05.42	35.044	27.68		1491.4							
	OBS	01140	05.42	35.045	27.68		1491.6							
	OBS	01170	05.09	35.005	27.69		1490.7							
	OBS	01200	05.20	35.063	27.72		1491.8							
	OBS	01210	05.32	35.084	27.72		1492.5							
	OBS	01300	05.07	35.064	27.74		1492.9							
	OBS	01400	04.50	35.016	27.77		1492.2							
	OBS	01500	04.29	35.014	27.79		1493.0							

TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 03257 AIR TEMP 18.0 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0083 MONTH 04 SHIP YA WET BULB 12.1 33 2 4 WIND-SPD 03 TRACE DIR 0 5 SQUARE 4
LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 01 W HOUR 18.4 AREA 05 CLOUD T/A CL/TR WEATHER XX ORIG E25 083 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.4	OBS	00000	17.96	36.443	26.40		1518.1							
	OBS	00010	17.47	36.424	26.51		1516.8							
	OBS	00020	17.37	36.432	26.54		1516.7							
	OBS	00030	17.35	36.433	26.55		1516.8							
	OBS	00050	17.33	36.435	26.55		1517.1							
	OBS	00075	17.32	36.426	26.55		1517.4							
	OBS	00100	16.99	36.391	26.60		1516.8							
	OBS	00125	16.85	36.428	26.66		1516.9							
	OBS	00150	16.80	36.406	26.66		1517.1							
	OBS	00200	16.46	36.314	26.67		1516.8							
	OBS	00250	16.29	36.301	26.70		1517.1							
	OBS	00300	16.16	36.260	26.71		1517.5							
	OBS	00375	15.80	36.212	26.74		1517.5							
	OBS	00392	15.57	36.139	26.74		1517.0							
	OBS	00400	15.51	36.126	26.74		1516.9							
	OBS	00500	14.17	35.777	26.77		1513.9							
	OBS	00600	12.54	35.589	26.96		1509.9							
	OBS	00700	11.14	35.393	27.07		1506.5							
	OBS	00800	09.22	35.190	27.25		1500.9							
	OBS	00900	07.46	35.124	27.48		1499.8							
	OBS	00920	07.29	36.17 P	28.320									
	OBS	00950	07.26	35.188	27.55 *		1498.0							
	OBS	01000	06.54	35.137	27.61		1495.8							
	OBS	01100	05.82	35.089	27.67		1492.6							
	OBS	01140	05.44	35.091	27.72		1491.8							
	OBS	01190	05.33	35.082	27.72		1492.2							
	OBS	01200	05.05	35.045	27.73		1491.1							
	OBS	01255	04.79	35.018	27.74		1490.6							
	OBS	01270	04.91	35.064	27.76		1491.8							
	OBS	01300	04.76	35.045	27.76		1491.6							
	OBS	01400	04.56	35.038	27.78		1492.5							
	OBS	01500	04.33	35.019	27.79		1493.2							

REFID 31 8094 YEAR 1969 BOTOP 04535 AIR TEMP 15.2 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206
CONSEC 0084 MONTH 04 SHIP YA WET BULB 11.5 35 3 2 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2
LAT 34 56 N DAY 18 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 11 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER XX ORIG E25 084 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	17.66	36.313	26.38		1517.1							
	OBS	00010	17.33	36.394	26.52		1516.4							
	OBS	00020	17.28	36.402	26.54		1516.4							
	OBS	00030	17.25	36.404	26.55		1516.5							
	OBS	00050	17.11	36.391	26.57		1516.4							
	OBS	00075	16.79	36.375	26.64		1515.8							
	OBS	00100	16.63	36.369	26.67		1515.7							
	OBS	00125	16.50	36.347	26.68		1515.7							
	OBS	00150	16.44	36.327	26.68		1515.9							
	OBS	00200	16.22	36.275	26.69		1516.0							
	OBS	00250	15.88	36.199	26.71		1515.7							
	OBS	00300	15.74	36.173	26.73		1516.1							
	OBS	00400	14.88	35.938	26.74		1514.7							
	OBS	00500	13.63	35.758	26.87		1512.1							
	OBS	00600	12.41	35.592	26.99		1509.5							
	OBS	00700	10.96	35.414	27.12		1505.9							
	OBS	00800	08.92	35.180	27.29		1499.8							
	OBS	00900	07.40	35.087	27.45		1495.5							
	OBS	00960	06.51	35.024	27.53		1493.0							
	OBS	00970	06.59	35.094	27.57		1493.6							
	OBS	00975	06.52	35.074	27.56		1493.3							
	OBS	01000	06.60	35.133	27.60		1494.1							
	OBS	01020	06.48	35.114	27.60		1494.0							
	OBS	01040	06.56	35.155	27.62		1494.7							
	OBS	01100	05.93	35.109	27.67		1493.1							
	OBS	01200	05.44	35.084	27.71		1492.8							
	OBS	01300	05.31	35.061	27.71		1493.9							
	OBS	01400	04.72	35.049	27.77		1493.1							
	OBS	01500	04.40	35.033	27.79		1493.5							

TABLE V.—Continued

REPID	31 8094	YEAR 1969	BGTOP 04297	AIR TEMP 15.6	DIR POT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC	0085	MONTH 04	SHIP YA	WET BULB 12.1	32 2 4	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT	35 00 N	DAY 18	DATA USE 1	BAROMETH 1024.6	SEA	WIND-P XX	DURATION 00.5	2 SQUARE 4P
LONG	04d 00 W	HOUR 06.5	AREA 05	CLOUD T/A	CL/TP	WEATHER XX	ORIG E25 085	1 SQUARE 5a

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIC3	PH
06.5	OBS	00000	17.47	36.415	26.50		1516.6							
	OBS	00010	17.42	36.411	26.51		1516.7							
	OBS	00020	17.32	36.415	26.54		1516.5							
	OBS	00030	17.29	36.417	26.55		1516.6							
	OBS	00050	17.23	36.411	26.56		1516.8							
	OBS	00075	17.02	36.400	26.60		1516.5							
	OBS	00100	16.70	36.378	26.66		1516.0							
	OBS	00125	16.56	36.357	26.68		1515.9							
	OBS	00140	16.33	36.277	26.67		1515.4							
	OBS	00150	16.49	36.351	26.70		1516.0							
	OBS	00200	16.28	36.305	26.70		1516.2							
	OBS	00250	15.94	36.244	26.74		1515.9							
	OBS	00300	15.79	36.193	26.73		1516.2							
	OBS	00400	15.11	36.037	26.76		1515.6							
	OBS	00500	13.94	35.804	26.84		1513.2							
	OBS	00600	12.67	35.589	26.93		1510.3							
	OBS	00700	11.37	34.43 P	26.280*									
	OBS	00800	09.67	35.261	27.23		1502.7							
	OBS	00900	07.43	35.088	27.45		1495.7							
	OBS	00960	06.68	35.094	27.56		1493.7							
	OBS	00970	06.80	35.155	27.59		1494.5							
	OBS	01000	06.43	35.123	27.61		1493.5							
	OBS	01100	05.82	35.080	27.66		1492.6							
	OBS	01130	05.62	35.082	27.69		1492.3							
	OBS	01190	04.91	35.010	27.71		1490.3							
	OBS	01200	05.16	35.065	27.73		1491.6							
	OBS	01230	04.93	35.047	27.74		1491.1							
	OBS	01250	05.01	35.063	27.75		1491.8							
	OBS	01300	04.71	35.032	27.76		1491.4							
	OBS	01320	04.77	35.066	27.78		1492.0							
	OBS	01400	04.59	35.036	27.77		1492.6							
	OBS	01500	04.35	35.020	27.79		1493.2							

TABLE VI.–Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station ECHO, 18 April 1969 - 11 May 1969, prepared from NODC listing No. 31 - 8097.

REFID 31 8097	YEAR 1969	BOTDP 03840	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 04	SHIP E1	WET BULB 13.3	35 4 3	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 18	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 00 W	HOUR 11.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.0	OBS	00000	17.40	36.424	26.53		1516.5							
	OBS	00010	17.39	36.416	26.52		1516.6							
	OBS	00020	17.37	36.414	26.53		1516.7							
	OBS	00030	17.36	36.404	26.53		1516.7							
	OBS	00050	17.31	36.400	26.53		1517.0							
	OBS	00075	17.11	36.381	26.56		1516.8							
	OBS	00100	16.95	36.365	26.59		1516.7							
	OBS	00125	16.85	36.380	26.63		1516.8							
	OBS	00150	16.48	36.290	26.64		1516.0							
	OBS	00185	16.39	36.268	26.65		1516.0							
	OBS	00200	16.32	36.335	26.67		1517.0							
	OBS	00250	16.29	36.294	26.69		1517.1							
	OBS	00300	16.12	36.248	26.70		1517.3							
	OBS	00400	15.51	36.158	26.77		1517.0							
	OBS	00500	14.42	35.890	26.80		1514.8							
	OBS	00600	12.43	35.522	26.93		1509.4							
	OBS	00700	10.50	35.303	27.12		1504.1							
	OBS	00800	09.02	35.134	27.24		1500.1							
	OBS	00900	07.26	35.026	27.42		1494.9							
	OBS	00940	06.75	35.079	27.54		1493.7							
	OBS	00955	06.91	35.111	27.54		1494.6							
	OBS	01000	06.41	35.051	27.56		1493.3							
	OBS	01100	05.50	35.031	27.66		1491.3							
	OBS	01145	05.23	35.005	27.67		1490.9							
	OBS	01200	05.30	35.073	27.72		1492.2							
	OBS	01300	05.00	35.042	27.73		1492.6							
	OBS	01400	04.56	35.007	27.75		1492.4							
	OBS	01497	04.42	35.021	27.78		1493.5							

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REFID 31 8097	YEAR 1969	BOTDP 02743	AIR TEMP 17.5	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 04	SHIP E1	WET BULB 14.0	36 4 3	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 35 06 N	DAY 18	DATA USE 1	BAROMETR 1029.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 04 W	HOUR 17.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	OBS	00000	18.20	36.516	26.40		1518.9							
	OBS	00010	18.02	36.522	26.45		1518.5							
	OBS	00020	17.99	36.507	26.45		1518.6							
	OBS	00030	17.80	36.495	26.48		1518.2							
	OBS	00050	17.72	36.490	26.50		1518.3							
	OBS	00075	17.50	36.435	26.51		1518.0							
	OBS	00100	17.13	36.420	26.59		1517.3							
	OBS	00125	17.09	36.420	26.60		1517.6							
	OBS	00150	17.08	36.437	26.61		1518.0							
	OBS	00200	17.04	36.441	26.63		1518.7							
	OBS	00250	16.96	36.416	26.63		1519.2							
	OBS	00300	16.70	36.345	26.63		1519.2							
	OBS	00400	15.41	36.047	26.70		1516.5							
	OBS	00500	14.40	35.899	26.81		1514.8							
	OBS	00600	12.76	35.609	26.93		1510.7							
	OBS	00700	11.34	35.373	27.02		1507.1							
	OBS	00800	09.34	35.214	27.25		1501.4							
	OBS	00892	07.79	35.090	27.40		1496.9							
	OBS	00900	07.41	35.027	27.40		1495.5							
	OBS	00940	07.44	35.167	27.51		1496.5							
	OBS	01000	06.72	35.115	27.57		1494.6							
	OBS	01060	05.90	35.001	27.59		1492.2							
	OBS	01085	05.60	35.012	27.63		1491.4							
	OBS	01100	05.53	35.050	27.67		1491.4							
	OBS	01125	05.64	35.062	27.67		1492.3							
	OBS	01200	05.04	35.025	27.71		1491.1							
	OBS	01300	04.90	35.038	27.74		1492.2							
	OBS	01400	04.61	35.020	27.76		1492.6							
	OBS	01498	04.41	35.013	27.77		1493.5							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTOP 02743	AIR TEMP 18.4	DIR MOT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 04	SHIP E1	WET BULB 14.9	36 2 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 10 N	DAY 18	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 02 W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	18.25	36.549	26.41		1519.1							
	OBS	00010	18.15	36.547	26.44		1518.9							
	OBS	00020	18.12	36.548	26.44		1519.0							
	OBS	00030	18.11	36.550	26.45		1519.2							
	OBS	00050	18.09	36.549	26.45		1519.4							
	OBS	00075	17.69	36.488	26.51		1518.6							
	OBS	00100	17.52	36.441	26.51		1518.5							
	OBS	00125	17.41	36.439	26.54		1518.5							
	OBS	00150	17.31	36.415	26.54		1518.6							
	OBS	00200	17.14	36.424	26.59		1519.0							
	OBS	00250	17.05	36.436	26.62		1519.5							
	OBS	00300	16.81	36.376	26.63		1519.6							
	OBS	00400	16.17	36.260	26.69		1519.1							
	OBS	00500	14.89	35.985	26.77		1516.5							
	OBS	00600	13.11	35.661	26.90		1511.9							
	OBS	00700	11.41	35.383	27.02		1507.4							
	OBS	00800	09.67	35.270	27.24		1502.7							
	OBS	00900	07.43	35.053	27.42		1495.6							
	OBS	00920	07.13	35.098	27.50		1494.8							
	OBS	00930	07.33	35.147	27.51		1495.9							
	OBS	01000	06.72	35.114	27.57		1494.6							
	OBS	01100	05.92	35.032	27.61		1493.0							
	OBS	01200	05.20	35.035	27.70		1491.7							
	OBS	01300	04.91	35.044	27.74		1492.2							
	OBS	01400	04.58	35.025	27.76		1492.5							
	OBS	01500	04.41	35.010	27.77		1493.5							

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REFID 31 8097	YEAR 1969	BOTOP 03017	AIR TEMP 17.6	DIR MOT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 04	SHIP E1	WET BULB 14.7	36 3 5	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 19	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 03 W	HOUR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 004	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.7	OBS	00000	18.07	36.538	26.45		1518.5							
	OBS	00010	18.06	36.536	26.45		1518.7							
	OBS	00020	17.98	36.524	26.46		1518.6							
	OBS	00030	17.95	36.509	26.46		1518.6							
	OBS	00050	17.71	36.480	26.49		1518.2							
	OBS	00075	17.40	36.429	26.53		1517.7							
	OBS	00100	17.27	36.441	26.57		1517.7							
	OBS	00125	17.29	36.440	26.57		1518.2							
	OBS	00150	17.16	36.434	26.59		1518.2							
	OBS	00200	17.07	36.431	26.61		1518.8							
	OBS	00250	16.95	36.420	26.63		1519.2							
	OBS	00300	16.82	36.401	26.65		1519.6							
	OBS	00400	16.26	36.260	26.67		1519.4							
	OBS	00500	14.94	35.968	26.75		1516.6							
	OBS	00600	13.67	35.670	26.79		1513.8							
	OBS	00700	11.61	35.415	27.00		1508.1							
	OBS	00800	09.65	35.241	27.22		1502.6							
	OBS	00900	07.79	35.045	27.36		1497.0							
	OBS	00930	07.26	35.107	27.49		1495.5							
	OBS	00970	07.30	35.174	27.53		1496.4							
	OBS	01000	06.90	35.129	27.55		1495.3							
	OBS	01100	05.95	35.069	27.63		1493.1							
	OBS	01200	05.18	35.032	27.70		1491.6							
	OBS	01300	04.91	35.040	27.74		1492.2							
	OBS	01400	04.65	35.028	27.76		1492.8							
	OBS	01500	04.42	35.013	27.77		1493.5							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 03201 AIR TEMP 18.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 04 SHIP E1 WET BULB 16.2 19 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
LAT 35 05 N DAY 19 DATA USE 1 BAROMETR 1031.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 11 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 005 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.60	36.438	26.49		1517.1							
	OBS	00010	17.59	36.426	26.48		1517.2							
	OBS	00020	17.45	36.428	26.52		1516.9							
	OBS	00030	17.37	36.437	26.54		1516.9							
	OBS	00050	17.31	36.436	26.56		1517.0							
	OBS	00075	17.12	36.426	26.60		1516.9							
	OBS	00100	17.09	36.427	26.60		1517.2							
	OBS	00125	17.06	36.434	26.62		1517.5							
	OBS	00150	17.05	36.438	26.62		1517.9							
	OBS	00200	17.03	36.439	26.63		1518.7							
	OBS	00250	17.02	36.440	26.63		1519.4							
	OBS	00300	16.85	36.384	26.63		1519.7							
	OBS	00400	16.13	36.265	26.71		1519.0							
	OBS	00500	15.69	36.079	26.76		1517.3							
	OBS	00535	15.21	36.108	26.80		1518.2							
	OBS	00600	13.65	35.714	26.83		1513.3							
	OBS	00700	11.59	35.415	27.01		1508.1							
	OBS	00800	09.70	35.242	27.21		1502.6							
	OBS	00900	07.89	34.976	27.29		1497.3							
	OBS	01000	06.39	35.077	27.53		1493.7							
	OBS	01050	06.23	35.114	27.63		1493.5							
	OBS	01075	05.95	35.050	27.62		1492.7							
	OBS	01100	05.50	35.039	27.67		1491.5							
	OBS	01200	05.21	35.066	27.72		1492.3							
	OBS	01300	05.05	35.053	27.73		1492.3							
	OBS	01400	04.46	35.009	27.77		1492.0							
	OBS	01510	04.39	35.011	27.77		1493.6							

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REFID 31 8097 YEAR 1969 BOTDP 01756 AIR TEMP 18.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 04 SHIP E1 WET BULB 16.2 19 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1029.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 17.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 006 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.4	OBS	00000	18.00	36.448	26.40		1518.2							
	OBS	00010	17.69	36.434	26.46		1517.5							
	OBS	00020	17.50	36.420	26.50		1517.1							
	OBS	00030	17.41	36.422	26.52		1517.0							
	OBS	00050	17.33	36.422	26.54		1517.1							
	OBS	00075	17.12	36.409	26.58		1516.8							
	OBS	00100	17.03	36.426	26.62		1517.0							
	OBS	00125	17.02	36.428	26.62		1517.4							
	OBS	00150	16.93	36.404	26.63		1517.3							
	OBS	00200	16.81	36.381	26.64		1517.7							
	OBS	00250	16.50	36.292	26.64		1517.7							
	OBS	00280	15.81	36.142	26.69		1516.9							
	OBS	00300	16.03	36.242	26.71		1517.0							
	OBS	00400	15.41	36.057	26.71		1516.5							
	OBS	00465	14.88	35.996	26.78		1515.9							
	OBS	00470	15.11	35.06 P	26.819*									
	OBS	00500	14.81	36.026	26.82		1515.3							
	OBS	00600	13.22	35.661	26.89		1511.4							
	OBS	00700	11.49	35.448	27.05		1507.4							
	OBS	00800	09.32	35.145	27.20		1501.2							
	OBS	00900	07.37	35.020	27.40		1495.3							
	OBS	01000	06.19	34.990	27.54		1492.3							
	OBS	01010	06.18	35.057	27.60		1492.5							
	OBS	01060	05.88	35.030	27.61		1492.1							
	OBS	01100	06.10	35.090	27.63		1493.4							
	OBS	01180	05.40	34.991	27.64		1492.2							
	OBS	01200	05.36	35.040	27.69		1492.4							
	OBS	01300	04.76	34.985	27.71		1491.5							
	OBS	01400	04.60	35.002	27.74		1492.6							
	OBS	01500	04.43	35.004	27.76		1493.0							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 01737 AIR TEMP 18.2 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0007 MONTH 04 SHIP E1 WET BULB 15.7 19 3 5 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 35 07 N DAY 19 DATA USE 1 BAROMETR 1031.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 06.5W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID 626 C07 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	17.81	36.454	26.45		1517.7							
	OBS	00010	17.81	36.449	26.45		1517.8							
	OBS	00020	17.74	36.435	26.45		1517.8							
	OBS	00030	17.50	36.427	26.51		1517.2							
	OBS	00050	17.40	36.428	26.53		1517.3							
	OBS	00075	17.20	36.420	26.57		1517.1							
	OBS	00100	16.94	36.407	26.63		1516.7							
	OBS	00125	16.89	36.403	26.63		1517.0							
	OBS	00150	16.75	36.365	26.64		1516.9							
	OBS	00200	16.63	36.357	26.66		1517.4							
	OBS	00250	16.40	36.310	26.68		1517.4							
	OBS	00300	15.59	36.224	26.71		1516.9							
	OBS	00400	15.11	36.020	26.75		1515.6							
	OBS	00500	14.37	35.907	26.83		1514.7							
	OBS	00600	12.88	35.636	26.93		1511.1							
	OBS	00700	11.16	35.394	27.07		1506.5							
	OBS	00800	09.37	35.218	27.25		1501.5							
	OBS	00900	07.43	35.035	27.41		1495.6							
	OBS	00970	06.46	35.005	27.52		1492.9							
	OBS	01000	06.55	35.118	27.59		1493.9							
	OBS	01100	05.81	35.087	27.67		1492.6							
	OBS	01200	05.40	35.075	27.71		1492.6							
	OBS	01300	04.67	35.004	27.74		1491.2							
	OBS	01400	04.48	35.008	27.76		1492.1							
	OBS	01490	04.33	35.012	27.78		1493.0							

REFID 31 8097 YEAR 1969 BOTDP 04572 AIR TEMP 18.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206
CONSEC 0008 MONTH 04 SHIP E1 WET BULB 15.8 17 3 3 WIND-SPD 22 TRACE DIR 0 5 SQUARE 4
LAT 35 22 N DAY 25 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 046 15 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID 526 008 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	17.54	36.432	26.50		1516.9							
	OBS	00010	17.53	36.434	26.50		1517.0							
	OBS	00020	17.50	36.433	26.51		1517.1							
	OBS	00030	17.48	36.426	26.51		1517.2							
	OBS	00050	17.29	36.432	26.56		1517.0							
	OBS	00075	17.11	36.447	26.62		1516.9							
	OBS	00100	17.11	36.447	26.62		1517.0							
	OBS	00125	17.11	36.449	26.62		1517.7							
	OBS	00150	17.11	36.449	26.62		1518.1							
	OBS	00200	17.10	36.447	26.62		1518.9							
	OBS	00250	17.08	36.442	26.62		1519.6							
	OBS	00300	17.05	36.443	26.63		1520.4							
	OBS	00400	16.70	36.343	26.63		1520.8							
	OBS	00500	15.66	36.118	26.76		1519.0							
	OBS	00518	15.53	36.166	26.77		1519.0							
	OBS	00600	15.09	36.080	26.80		1518.9							
	OBS	00700	13.19	35.671	26.89		1513.8							
	OBS	00800	10.48	35.293	27.12		1505.6							
	OBS	00900	08.09	35.083	27.35		1498.2							
	OBS	01000	06.49	35.045	27.54		1493.6							
	OBS	01050	05.71	34.988	27.60		1491.2							
	OBS	01080	05.93	35.079	27.64		1492.7							
	OBS	01100	05.81	35.039	27.63		1492.3							
	OBS	01200	04.93	34.983	27.69		1490.6							
	OBS	01300	04.75	34.996	27.72		1491.5							
	OBS	01400	04.50	34.994	27.75		1492.2							
	OBS	01490	04.29	34.989	27.77		1492.8							

TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 02834 AIR TEMP 16.7 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0009 MONTH 04 SHIP EI WET BULB 17.4 19 4 4 WIND-SPD 24 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 25 DATA USE 1 BAROMETR 1013.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 53 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 G09 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.8	OBS	00000	18.10	36.481	26.40		1516.8							
	OBS	00010	18.09	36.476	26.39		1516.7							
	OBS	00020	17.95	36.454	26.41		1516.4							
	OBS	00030	17.84	36.442	26.44		1516.3							
	OBS	00050	17.38	36.429	26.54		1517.2							
	OBS	00075	17.29	36.430	26.56		1517.4							
	OBS	00100	17.20	36.429	26.56		1517.5							
	OBS	00125	17.14	36.427	26.59		1517.7							
	OBS	00150	17.10	36.433	26.61		1518.0							
	OBS	00200	17.04	36.433	26.62		1518.7							
	OBS	00250	16.98	36.415	26.62		1519.3							
	OBS	00300	16.88	36.404	26.64		1519.8							
	OBS	00400	16.52	36.340	26.67		1520.3							
	OBS	00500	15.87	36.204	26.72		1519.8							
	OBS	00600	14.04	35.901	26.81		1519.1							
	OBS	00700	12.31	35.526	26.96		1518.7							
	OBS	00800	10.01	35.262	27.17		1518.7							
	OBS	00820	09.66	35.306	27.20		1520.1							
	OBS	00900	08.66	35.140	27.30		1520.4							
	OBS	01000	06.73	35.033	27.50		1494.3							
	OBS	01100	05.51	34.978	27.62		1491.2							
	OBS	01200	05.13	34.964	27.67		1491.4							
	OBS	01300	04.70	34.965	27.72		1491.8							
	OBS	01400	04.53	35.003	27.75		1492.3							
	OBS	01500	04.43	35.007	27.77		1493.0							

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REFID 31 8097 YEAR 1969 BOTDP 01426 AIR TEMP 17.7 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0010 MONTH 04 SHIP EI WET BULB 17.0 16 5 3 WIND-SPD 26 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 26 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 05 W HOUR 05.6 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E26 G10 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
05.6	OBS	00000	17.78	36.381	26.46		1517.5							
	OBS	00010	17.77	36.383	26.41		1517.6							
	OBS	00020	17.49	36.409	26.49		1517.0							
	OBS	00030	17.21	36.411	26.58		1516.4							
	OBS	00050	17.12	36.412	26.59		1516.4							
	OBS	00075	17.11	36.415	26.59		1516.8							
	OBS	00100	17.03	36.395	26.59		1517.0							
	OBS	00125	17.07	36.407	26.59		1517.5							
	OBS	00150	17.08	36.418	26.60		1518.0							
	OBS	00200	17.09	36.424	26.60		1518.8							
	OBS	00250	17.09	36.423	26.60		1519.0							
	OBS	00300	17.08	36.427	26.61		1520.4							
	OBS	00400	16.61	36.313	26.63		1520.5							
	OBS	00500	15.73	36.147	26.71		1519.3							
	OBS	00600	14.55	35.887	26.77		1516.9							
	OBS	00700	12.61	35.539	26.91		1511.7							
	OBS	00800	10.49	35.291	27.11		1505.7							
	OBS	00900	08.22	35.083	27.33		1498.7							
	OBS	01000	06.32	34.956	27.50		1492.8							
	OBS	01100	05.61	35.018	27.64		1491.7							
	OBS	01140	05.40	35.029	27.67		1491.5							

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REFID 31 8097 YEAR 1969 BOTDP 02560 AIR TEMP 19.1 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 04 SHIP EI WET BULB 16.1 23 5 5 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 11 N DAY 26 DATA USE 1 BAROMETR 1013.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 04 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	17.53	36.392	26.47		1516.8							
	OBS	00010	17.53	36.391	26.47		1517.0							
	OBS	00020	17.53	36.391	26.47		1517.1							
	OBS	00030	17.41	36.396	26.50		1516.9							
	OBS	00050	17.15	36.422	26.59		1516.5							
	OBS	00075	17.04	36.411	26.60		1516.6							
	OBS	00100	17.03	36.416	26.61		1517.0							
	OBS	00125	17.05	36.428	26.61		1517.5							
	OBS	00150	17.05	36.427	26.61		1517.9							
	OBS	00200	17.05	36.433	26.62		1518.7							
	OBS	00250	17.02	36.418	26.61		1519.4							
	OBS	00300	17.05	36.447	26.63		1520.4							
	OBS	00400	16.91	36.403	26.63		1521.5							
	OBS	00500	15.78	36.172	26.72		1519.5							
	OBS	00600	14.67	35.904	26.76		1517.3							
	OBS	00700	12.58	35.583	26.95		1511.7							
	OBS	00800	10.39	35.310	27.14		1505.3							
	OBS	00900	08.37	35.101	27.32		1499.3							
	OBS	01000	06.61	34.965	27.47		1494.0							
	OBS	01100	05.53	34.995	27.63		1491.3							
	OBS	01200	05.19	35.016	27.69		1491.7							
	OBS	01300	04.83	35.006	27.72		1491.8							
	OBS	01400	04.69	35.015	27.74		1493.0							
	OBS	01500	04.49	35.015	27.77		1493.8							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 03566 AIR TEMP 19.3 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 04 SHIP E1 WET BULB 17.7 15 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
LAT 35 02 N DAY 26 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	18.38	36.464	26.31		1519.3							
	OBS	00010	18.15	36.472	26.38		1519.9							
	OBS	00020	18.02	36.452	26.40		1519.6							
	OBS	00030	17.82	36.481	26.47		1518.2							
	OBS	00050	17.63	36.477	26.51		1518.0							
	OBS	00075	17.43	36.428	26.52		1517.8							
	OBS	00100	17.28	36.404	26.54		1517.7							
	OBS	00125	17.13	36.393	26.57		1517.7							
	OBS	00150	17.12	36.407	26.58		1518.1							
	OBS	00200	17.07	36.406	26.59		1518.7							
	OBS	00210	17.05	36.406	26.60		1518.8							
	OBS	00238	16.85	36.350	26.60		1518.6							
	OBS	00250	16.90	36.390	26.62		1518.8							
	OBS	00300	16.93	36.400	26.62		1518.8							
	OBS	00400	16.41	36.296	26.67		1519.5							
	OBS	00500	15.39	36.091	26.74		1516.2							
	OBS	00600	13.70	35.757	26.85		1514.0							
	OBS	00700	12.02	35.446	26.95		1509.6							
	OBS	00778	10.01	35.254	27.17		1503.3							
	OBS	00800	09.91	35.270	27.20		1503.6							
	OBS	00900	08.01	35.071	27.35		1497.3							
	OBS	01000	06.26	34.969	27.51		1492.6							
	OBS	01100	05.56	34.959	27.63		1491.3							
	OBS	01200	05.34	35.064	27.71		1492.3							
	OBS	01300	04.93	35.018	27.74		1492.3							
	OBS	01400	04.70	35.024	27.75		1493.0							
	OBS	01500	04.50	35.023	27.77		1493.9							

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REFID 31 8097 YEAR 1969 BOTDP 04252 AIR TEMP 17.8 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 04 SHIP E1 WET BULB 17.2 15 3 3 WIND-SPD 06 TRACE DIR 0 5 SQUARE 4
LAT 35 04 N DAY 26 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 00 W HOUR 23.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.3	OBS	00000	18.12	36.445	26.37		1516.6							
	OBS	00010	17.97	36.446	26.40		1518.3							
	OBS	00020	17.94	36.431	26.40		1518.4							
	OBS	00030	17.81	36.497	26.48		1518.2							
	OBS	00050	17.63	36.472	26.51		1518.0							
	OBS	00075	17.49	36.451	26.53		1518.0							
	OBS	00100	17.30	36.420	26.55		1517.8							
	OBS	00125	17.18	36.402	26.56		1517.8							
	OBS	00150	17.14	36.415	26.58		1518.1							
	OBS	00200	17.09	36.404	26.59		1518.8							
	OBS	00250	17.03	36.404	26.60		1519.4							
	OBS	00300	17.00	36.419	26.62		1520.2							
	OBS	00400	16.54	36.333	26.67		1520.3							
	OBS	00500	15.62	36.190	26.72		1519.6							
	OBS	00600	14.27	35.872	26.82		1516.0							
	OBS	00700	12.19	35.517	26.97		1510.3							
	OBS	00800	10.01	35.273	27.16		1503.9							
	OBS	00900	08.10	35.061	27.33		1498.2							
	OBS	01000	06.29	34.992	27.53		1492.7							
	OBS	01100	05.40	34.956	27.61		1490.8							
	OBS	01200	05.08	35.033	27.71		1491.2							
	OBS	01300	04.65	35.043	27.74		1492.4							
	OBS	01400	04.09	35.030	27.76		1493.0							
	OBS	01505	04.48	35.024	27.77		1493.9							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 03968 AIR TEMP 17.7 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 04 SHIP E1 WET BULB 16.5 23 3 3 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 27 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 01 W HOUR 05.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
05.6	OBS	00000	18.07	36.455	26.34		1518.4							
	OBS	00010	18.06	36.453	26.35		1518.6							
	OBS	00020	18.02	36.458	26.40		1518.6							
	OBS	00030	17.96	36.453	26.41		1518.6							
	OBS	00050	17.28	36.433	26.56		1516.9							
	OBS	00075	17.14	36.433	26.60		1516.9							
	OBS	00100	17.10	36.433	26.61		1517.2							
	OBS	00125	17.02	36.429	26.62		1517.4							
	OBS	00150	17.01	36.431	26.63		1517.8							
	OBS	00200	16.95	36.418	26.63		1518.4							
	OBS	00250	16.85	36.404	26.64		1518.9							
	OBS	00300	16.68	36.356	26.65		1519.2							
	OBS	00335	16.31	36.296	26.69		1518.5							
	OBS	00340	16.41	36.310	26.68		1518.9							
	OBS	00400	16.20	36.260	26.69		1519.2							
	OBS	00500	15.39	36.054	26.71		1518.1							
	OBS	00600	13.93	35.765	26.81		1514.7							
	OBS	00700	12.14	35.474	26.95		1510.0							
	OBS	00800	10.24	35.307	27.17		1504.8							
	OBS	00900	08.09	35.054	27.32		1498.2							
	OBS	01000	06.38	34.967	27.48		1493.0							
	OBS	01100	05.47	35.004	27.64		1491.1							
	OBS	01200	05.22	35.049	27.71		1491.8							
	OBS	01265	04.84	35.006	27.72		1491.3							
	OBS	01300	04.98	35.057	27.74		1492.5							
	OBS	01400	04.80	35.045	27.76		1493.5							
	OBS	01500	04.49	35.033	27.78		1493.8							

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REFID 31 8097 YEAR 1969 BOTDP 04572 AIR TEMP 18.8 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0015 MONTH 04 SHIP E1 WET BULB 15.9 23 3 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 27 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 03.3 2 SQUARE 48
LONG 048 00 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	18.15	36.474	26.38		1518.7							
	OBS	00010	18.14	36.472	26.38		1518.8							
	OBS	00020	18.13	36.472	26.38		1519.0							
	OBS	00030	18.11	36.473	26.39		1519.1							
	OBS	00050	18.09	36.467	26.39		1519.3							
	OBS	00075	17.36	36.412	26.53		1517.5							
	OBS	00100	17.20	36.412	26.57		1517.5							
	OBS	00125	17.10	36.424	26.60		1517.6							
	OBS	00150	17.02	36.422	26.62		1517.8							
	OBS	00200	16.93	36.420	26.64		1518.3							
	OBS	00250	16.93	36.420	26.64		1519.2							
	OBS	00300	16.82	36.400	26.65		1519.6							
	OBS	00400	16.29	36.254	26.67		1519.5							
	OBS	00500	15.65	36.143	26.72		1519.0							
	OBS	00600	14.01	35.784	26.81		1515.0							
	OBS	00700	12.15	35.546	27.00		1510.2							
	OBS	00800	10.00	35.252	27.17		1503.9							
	OBS	00900	08.01	35.096	27.37		1497.9							
	OBS	00950	07.33	34.992	27.39		1496.0							
	OBS	01000	06.21	34.988	27.54		1492.4							
	OBS	01100	05.41	35.003	27.65		1490.9							
	OBS	01200	05.13	35.022	27.70		1491.4							
	OBS	01300	05.01	35.056	27.74		1492.7							
	OBS	01400	04.86	35.032	27.76		1492.9							
	OBS	01495	04.56	35.034	27.77		1494.0							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1965	BOTDP 04773	AIR TEMP 19.C	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 04	SHIP E1	WET BULB 16.7	2e 2 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 34 55 N	DAY 27	DATA USE 1	BAROMETR 1021.C	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 58 W	HOUR 17.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E2o 016	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	18.64	3e.524	26.2e		1520.1							
	OBS	00010	18.54	36.525	2o.32		1520.0							
	OBS	00020	18.52	36.525	26.33		1520.1							
	OBS	00030	18.36	36.501	26.35		1519.8							
	OBS	00050	18.01	36.517	26.45		1519.2							
	OBS	00075	17.80	36.492	2o.48		1518.9							
	OBS	00100	17.44	36.427	2o.52		1518.2							
	OBS	00125	17.20	36.426	26.58		1517.9							
	OBS	00150	17.06	36.411	2o.6C		1517.9							
	OBS	00200	17.00	3e.413	26.62		1518.5							
	OBS	00250	16.96	36.416	26.63		1519.2							
	OBS	00300	16.71	36.357	26.64		1519.2							
	OBS	00400	16.04	36.224	26.7C		1518.7							
	OBS	00500	14.83	35.991	26.79		1516.3							
	OBS	00600	13.10	35.682	26.92		1511.9							
	OBS	00700	11.23	35.414	27.07		1506.8							
	OBS	00800	08.94	35.118	27.24		1499.8							
	OBS	00900	C7.89	35.168	27.44		1497.5							
	OBS	01000	06.03	35.023	27.59		1491.7							
	OBS	01040	05.81	34.997	27.60		1491.5							
	OBS	01048	06.22	35.056	27.59		1493.3							
	OBS	01090	05.39	34.994	27.65		1490.6							
	OBS	01100	05.65	35.070	27.67		1491.9							
	OBS	01120	05.55	35.055	27.67		1491.8							
	OBS	01135	05.11	34.993	27.68		1490.2							
	OBS	01200	05.00	35.027	27.72		1490.9							
	OBS	01300	04.91	35.047	27.74		1492.2							
	OBS	01400	04.61	35.030	27.77		1492.7							
	OBS	01500	04.41	35.022	27.78		1493.5							

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REFID 31 8097	YEAR 1969	BOTDP 02990	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1206
CONSEC 0017	MONTH 04	SHIP E1	WET BULB 16.5	28 2 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 27	DATA USE 1	BAROMETR 1023.9	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 06 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 017	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.16	36.451	26.36		1518.7							
	OBS	00010	17.98	36.450	26.40		1518.3							
	OBS	00020	17.94	36.453	26.42		1518.4							
	OBS	00030	17.71	36.437	26.46		1517.9							
	OBS	00050	17.28	36.430	26.56		1516.9							
	OBS	00075	17.15	36.437	26.60		1517.0							
	OBS	00100	17.07	36.428	26.61		1517.1							
	OBS	00125	17.03	36.432	26.62		1517.4							
	OBS	00150	17.02	36.432	26.63		1517.8							
	OBS	00200	16.99	36.424	26.63		1518.5							
	OBS	00250	16.95	36.426	26.64		1519.2							
	OBS	00300	16.85	36.404	26.64		1519.7							
	OBS	00380	16.28	36.286	26.69		1519.2							
	OBS	00400	16.31	36.302	26.69		1519.6							
	OBS	00500	15.80	36.183	26.72		1519.5							
	OBS	00600	13.77	35.729	26.82		1514.2							
	OBS	00700	11.72	35.465	27.02		1508.6							
	OBS	00770	10.01	35.216	27.14		1503.4							
	OBS	00800	09.65	35.227	27.21		1502.6							
	OBS	00900	07.67	35.068	27.40		1496.6							
	OBS	01000	06.13	34.977	27.54		1492.1							
	OBS	01100	05.44	35.001	27.64		1491.0							
	OBS	01200	05.23	35.076	27.73		1491.9							
	OBS	01300	05.01	35.028	27.72		1492.o							
	OBS	01400	04.74	35.033	27.75		1493.2							
	OBS	01500	04.46	35.022	27.78		1493.7							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 03475 AIR TEMP 18.4 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 04 SHIP E1 WET BULB 15.7 29 3 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 28 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 04 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	18.13	36.465	26.38		1518.6							
	OBS	00010	18.12	36.458	26.38		1518.7							
	OBS	00020	18.11	36.454	26.38		1518.9							
	OBS	00030	17.99	36.454	26.40		1518.7							
	OBS	00050	17.30	36.433	26.56		1517.0							
	OBS	00075	17.15	36.419	26.58		1516.9							
	OBS	00100	17.03	36.408	26.60		1517.0							
	OBS	00125	16.95	36.393	26.61		1517.1							
	OBS	00150	17.02	36.436	26.63		1517.8							
	OBS	00200	17.02	36.433	26.63		1518.6							
	OBS	00250	17.01	36.432	26.63		1519.4							
	OBS	00300	16.95	36.403	26.62		1520.0							
	OBS	00400	16.62	36.366	26.67		1520.0							
	OBS	00500	15.69	36.126	26.70		1519.1							
	OBS	00600	13.95	35.796	26.83		1514.8							
	OBS	00700	12.02	35.474	26.97		1509.6							
	OBS	00800	10.20	35.217	27.11		1504.5							
	OBS	00900	08.30	35.099	27.33		1499.0							
	OBS	01000	06.36	34.983	27.51		1493.0							
	OBS	01100	05.48	34.994	27.63		1491.1							
	OBS	01200	05.26	35.037	27.69		1492.0							
	OBS	01300	04.95	35.060	27.75		1492.4							
	OBS	01400	04.77	35.041	27.76		1493.3							
	OBS	01493	04.47	35.013	27.77		1493.6							

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REFID 31 8097 YEAR 1969 BOTDP 04755 AIR TEMP 17.3 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0019 MONTH 04 SHIP E1 WET BULB 14.6 29 3 3 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 28 DATA USE 1 BAROMETR 1026.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 10 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 019 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	18.01	36.447	26.39		1518.3							
	OBS	00010	18.01	36.448	26.40		1518.4							
	OBS	00020	17.92	36.450	26.42		1518.3							
	OBS	00030	17.82	36.449	26.44		1518.2							
	OBS	00050	17.49	36.449	26.52		1517.6							
	OBS	00075	17.14	36.439	26.60		1516.9							
	OBS	00100	17.11	36.440	26.61		1517.3							
	OBS	00125	17.14	36.466	26.62		1517.8							
	OBS	00150	17.15	36.464	26.62		1518.2							
	OBS	00200	17.15	36.458	26.61		1519.0							
	OBS	00250	17.15	36.459	26.61		1519.9							
	OBS	00300	17.11	36.445	26.61		1520.5							
	OBS	00400	16.91	36.399	26.63		1521.5							
	OBS	00500	15.74	36.144	26.70		1519.3							
	OBS	00600	13.97	35.742	26.78		1514.8							
	OBS	00700	12.48	35.522	26.92		1511.3							
	OBS	00800	10.35	35.186	27.06		1505.0							
	OBS	00900	08.30	35.128	27.35		1499.0							
	OBS	01000	06.54	34.982	27.49		1493.7							
	OBS	01100	05.69	35.053	27.65		1492.1							
	OBS	01170	05.44	35.064	27.69		1492.2							
	OBS	01178	05.27	35.024	27.68		1491.6							
	OBS	01200	05.39	35.060	27.70		1492.5							
	OBS	01300	04.93	35.037	27.73		1492.3							
	OBS	01400	04.69	35.029	27.76		1493.0							
	OBS	01492	04.41	35.010	27.77		1493.3							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 02195	AIR TEMP 16.4	DIR HGT PER	WIND-DIR 06	INST STD RECORDER	TEN SQ 1206
CONSEC 0020	MONTH 04	SHIP E1	WET BULB 13.7	29 3 3	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 12 N	DAY 28	DATA USE 1	BAROMETR 1028.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 16 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	GRID E26 020	1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	17.93	36.426	26.40		1516.0							
	OBS	00010	17.91	36.426	26.40		1516.1							
	OBS	00020	17.84	36.412	26.41		1516.3							
	OBS	00030	17.63	36.422	26.47		1517.6							
	OBS	00050	17.48	36.440	26.52		1517.5							
	OBS	00075	17.19	36.455	26.60		1517.1							
	OBS	00100	17.15	36.459	26.61		1517.4							
	OBS	00125	17.14	36.458	26.62		1517.8							
	OBS	00150	17.14	36.458	26.62		1518.2							
	OBS	00200	17.13	36.456	26.62		1519.0							
	OBS	00250	17.11	36.445	26.61		1519.7							
	OBS	00300	17.08	36.440	26.62		1520.4							
	OBS	00400	16.70	36.335	26.63		1520.8							
	OBS	00433	16.47	36.300	26.65		1520.6							
	OBS	00440	16.51	36.328	26.67		1520.9							
	OBS	00500	15.50	36.072	26.70		1518.5							
	OBS	00600	14.28	35.812	26.77		1515.9							
	OBS	00700	12.93	35.621	26.91		1512.9							
	OBS	00800	11.04	35.295	27.02		1507.6							
	OBS	00900	08.78	35.167	27.30		1500.9							
	OBS	00980	07.55	35.052	27.40		1497.4							
	OBS	01000	07.13	34.992	27.41		1496.0							
	OBS	01030	06.21	34.962	27.52		1492.9							
	OBS	01100	05.69	35.045	27.65		1492.1							
	OBS	01110	05.83	35.068	27.65		1492.8							
	OBS	01200	05.15	35.025	27.70		1491.5							
	OBS	01300	04.87	35.017	27.73		1492.0							
	OBS	01400	04.69	35.020	27.75		1493.0							
	OBS	01500	04.50	35.030	27.78		1493.9							

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REFID 31 8097	YEAR 1969	BOTDP 04389	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0021	MONTH 04	SHIP E1	WET BULB 15.6	29 3 3	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 29	DATA USE 1	BAROMETR 1026.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 57 W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	GRID E26 021	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.8	OBS	00000	18.35	36.514	26.36		1519.3							
	OBS	00010	18.35	36.514	26.36		1519.5							
	OBS	00020	18.21	36.488	26.38		1519.2							
	OBS	00030	18.03	36.478	26.41		1518.8							
	OBS	00050	17.44	36.440	26.53		1517.4							
	OBS	00075	17.14	36.427	26.59		1516.9							
	OBS	00100	17.07	36.438	26.62		1517.1							
	OBS	00125	17.03	36.437	26.63		1517.4							
	OBS	00150	17.02	36.436	26.63		1517.8							
	OBS	00200	16.91	36.392	26.62		1518.2							
	OBS	00250	16.80	36.374	26.63		1518.7							
	OBS	00300	16.68	36.327	26.63		1519.1							
	OBS	00320	16.51	36.294	26.64		1518.9							
	OBS	00325	16.61	36.362	26.67		1519.4							
	OBS	00400	16.01	36.244	26.72		1518.6							
	OBS	00500	14.98	35.998	26.76		1518.8							
	OBS	00600	13.65	35.770	26.87		1518.8							
	OBS	00700	12.06	35.507	27.00		1509.7							
	OBS	00800	09.98	35.287	27.20		1503.8							
	OBS	00850	08.69	35.127	27.29		1499.7							
	OBS	00900	08.14	35.133	27.38		1498.4							
	OBS	00990	07.09	35.085	27.49		1495.8							
	OBS	01000	06.73	35.020	27.49		1494.5							
	OBS	01100	05.47	34.992	27.63		1491.1							
	OBS	01150	05.12	34.991	27.68		1490.5							
	OBS	01200	05.29	35.071	27.72		1492.1							
	OBS	01300	05.02	35.056	27.74		1492.7							
	OBS	01400	04.76	35.040	27.76		1493.3							
	OBS	01500	04.50	35.027	27.77		1493.9							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 02377	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 06	INST STD RECORDER	TEN SQ 1206
CONSEC 0022	MONTH 04	SHIP E1	WET BULB 15.5	28 3 4	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 29	DATA USE 1	BAROMETR 1027.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 06 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 022	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	18.20	36.464	26.36		1518.8							
	OBS	00010	18.19	36.464	26.36		1519.0							
	OBS	00020	18.09	36.439	26.37		1518.8							
	OBS	00030	17.81	36.427	26.43		1518.1							
	OBS	00050	17.19	36.425	26.58		1516.7							
	OBS	00075	17.02	36.415	26.61		1516.5							
	OBS	00100	17.06	36.441	26.62		1517.1							
	OBS	00125	17.02	36.434	26.63		1517.4							
	OBS	00150	17.02	36.430	26.62		1517.8							
	OBS	00200	17.01	36.429	26.63		1518.6							
	OBS	00250	16.94	36.412	26.63		1519.2							
	OBS	00300	16.72	36.363	26.64		1519.3							
	OBS	00400	16.40	36.299	26.67		1519.9							
	OBS	00500	15.90	36.211	26.72		1519.9							
	OBS	00600	14.39	35.875	26.80		1516.4							
	OBS	00700	12.62	35.619	26.97		1511.9							
	OBS	00800	10.21	35.285	27.16		1504.7							
	OBS	00900	08.25	35.121	27.35		1498.9							
	OBS	01000	06.31	34.984	27.52		1492.8							
	OBS	01100	05.41	35.000	27.65		1490.9							
	OBS	01200	05.11	35.029	27.71		1491.4							
	OBS	01234	05.13	35.095	27.76		1492.1							
	OBS	01300	05.05	35.056	27.73		1492.8							
	OBS	01400	04.81	35.050	27.76		1493.5							
	OBS	01496	04.58	35.031	27.77		1494.1							

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REFID 31 8097	YEAR 1969	BOTDP 04114	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0023	MONTH 04	SHIP E1	WET BULB 17.0	30 2 3	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 29	DATA USE 1	BAROMETR 1026.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 18.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 023	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.8	OBS	00000	18.91	36.491	26.20		1520.9							
	OBS	00010	18.26	36.465	26.35		1519.2							
	OBS	00020	18.20	36.437	26.34		1519.1							
	OBS	00030	17.82	36.391	26.40		1518.1							
	OBS	00050	17.21	36.419	26.57		1516.7							
	OBS	00075	17.11	36.436	26.61		1516.8							
	OBS	00100	17.06	36.437	26.62		1517.1							
	OBS	00125	17.02	36.438	26.63		1517.4							
	OBS	00150	17.02	36.442	26.63		1517.8							
	OBS	00200	17.01	36.442	26.64		1518.6							
	OBS	00250	16.96	36.421	26.63		1519.2							
	OBS	00300	16.87	36.411	26.65		1519.8							
	OBS	00400	16.35	36.289	26.67		1519.7							
	OBS	00500	15.60	36.139	26.73		1518.9							
	OBS	00600	13.78	35.769	26.85		1514.3							
	OBS	00700	12.32	35.521	26.95		1510.7							
	OBS	00800	09.91	35.194	27.14		1503.5							
	OBS	00820	09.51	35.226	27.23		1502.4							
	OBS	00865	08.71	35.119	27.28		1500.0							
	OBS	00900	08.20	35.161	27.39		1498.7							
	OBS	01000	06.40	34.988	27.51		1493.2							
	OBS	01100	05.44	34.976	27.62		1491.0							
	OBS	01200	05.05	34.993	27.69		1491.1							
	OBS	01300	04.81	34.997	27.72		1491.8							
	OBS	01400	04.61	34.998	27.74		1492.6							
	OBS	01500	04.50	35.020	27.77		1493.9							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 04298	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1206
CONSEC 0024	MONTH 04	SHIP E1	WET BULB 15.9	30 2 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 29	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 024	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.57	36.466	26.26		1519.9							
	OBS	00010	18.19	36.439	26.34		1518.9							
	OBS	00020	18.02	36.425	26.36		1518.6							
	OBS	00030	17.74	36.336	26.38		1517.8							
	OBS	00050	17.19	36.427	26.58		1516.7							
	OBS	00075	17.09	36.442	26.62		1516.8							
	OBS	00100	17.07	36.447	26.62		1517.1							
	OBS	00125	17.06	36.448	26.63		1517.5							
	OBS	00150	17.04	36.448	26.63		1517.9							
	OBS	00200	17.03	36.444	26.63		1516.7							
	OBS	00250	17.00	36.424	26.62		1519.4							
	OBS	00300	16.89	36.402	26.63		1519.8							
	OBS	00400	16.33	36.276	26.67		1519.6							
	OBS	00500	15.68	36.147	26.72		1519.1							
	OBS	00600	14.61	35.909	26.78		1517.1							
	OBS	00700	13.00	35.654	26.92		1513.2							
	OBS	00800	10.72	35.344	27.11		1506.6							
	OBS	00900	08.53	35.102	27.29		1499.9							
	OBS	01000	06.29	34.999	27.54		1492.7							
	OBS	01050	05.93	35.054	27.63		1492.2							
	OBS	01100	05.39	34.978	27.63		1490.8							
	OBS	01200	04.94	34.985	27.69		1490.6							
	OBS	01300	04.69	34.995	27.73		1491.3							
	OBS	01310	04.68	35.027	27.75		1491.4							
	OBS	01400	04.60	35.017	27.76		1492.6							
	OBS	01500	04.49	35.021	27.77		1493.8							

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REFID 31 8097	YEAR 1969	BOTDP 04298	AIR TEMP 17.7	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0025	MONTH 04	SHIP E1	WET BULB 15.6	30 2 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 35 02 N	DAY 30	DATA USE 1	BAROMETR 1025.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 00 W	HOUR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 025	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.7	OBS	00000	18.42	36.454	26.30		1519.4							
	OBS	00010	18.06	36.416	26.36		1518.5							
	OBS	00020	18.02	36.438	26.35		1518.6							
	OBS	00030	18.01	36.437	26.39		1518.7							
	OBS	00050	17.15	36.408	26.58		1516.5							
	OBS	00075	17.01	36.423	26.62		1516.5							
	OBS	00100	17.01	36.440	26.63		1517.0							
	OBS	00125	17.01	36.439	26.63		1517.4							
	OBS	00150	17.01	36.448	26.64		1517.8							
	OBS	00200	17.02	36.451	26.64		1518.6							
	OBS	00250	16.99	36.432	26.63		1519.3							
	OBS	00300	16.83	36.394	26.64		1519.6							
	OBS	00400	16.24	36.250	26.67		1519.3							
	OBS	00500	15.42	36.100	26.74		1518.3							
	OBS	00600	13.95	35.798	26.83		1514.9							
	OBS	00700	12.03	35.519	27.00		1509.7							
	OBS	00800	10.47	35.296	27.12		1505.6							
	OBS	00900	08.35	35.085	27.31		1499.2							
	OBS	00930	07.68	35.014	27.35		1497.0							
	OBS	00950	07.43	35.078	27.44		1496.5							
	OBS	01000	06.66	35.047	27.52		1494.3							
	OBS	01015	06.25	34.975	27.52		1492.8							
	OBS	01055	05.98	35.057	27.62		1492.5							
	OBS	01100	05.59	35.004	27.63		1491.6							
	OBS	01200	05.02	34.992	27.69		1490.9							
	OBS	01300	04.79	35.006	27.73		1491.7							
	OBS	01400	04.67	35.017	27.75		1492.9							
	OBS	01500	04.44	35.019	27.78		1493.6							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 04206	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1206
CONSEC 0026	MONTH 04	SHIP E1	WET BULB 15.6	11 1 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 30	DATA USE 1	BAROMETR 1026.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 00 W	HOUR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 026	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	18.38	36.482	26.33		1519.4							
	OBS	00010	18.20	36.467	26.36		1519.0							
	OBS	00020	18.06	36.463	26.39		1518.7							
	OBS	00030	17.75	36.444	26.46		1518.0							
	OBS	00050	17.36	36.442	26.55		1517.2							
	OBS	00075	17.16	36.443	26.60		1517.0							
	OBS	00100	17.11	36.450	26.62		1517.3							
	OBS	00125	17.07	36.443	26.62		1517.5							
	OBS	00150	17.06	36.450	26.63		1517.9							
	OBS	00200	17.03	36.446	26.63		1518.7							
	OBS	00250	17.01	36.434	26.63		1519.4							
	OBS	00300	16.94	36.420	26.64		1520.0							
	OBS	00400	16.64	36.338	26.64		1520.7							
	OBS	00500	15.71	36.155	26.72		1519.2							
	OBS	00566	14.78	35.992	26.80		1517.2							
	OBS	00600	14.71	35.977	26.81		1517.5							
	OBS	00700	12.68	35.590	26.93		1512.0							
	OBS	00800	10.91	35.392	27.12		1507.3							
	OBS	00900	08.68	35.054	27.23		1500.4							
	OBS	01000	06.22	34.947	27.50		1492.4							
	OBS	01039	06.02	35.018	27.59		1492.3							
	OBS	01100	05.41	34.985	27.64		1490.8							
	OBS	01200	04.96	34.996	27.70		1490.7							
	OBS	01300	04.71	35.000	27.73		1491.3							
	OBS	01400	04.60	35.012	27.75		1492.6							
	OBS	01500	04.46	35.019	27.77		1493.7							

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REFID 31 8097	YEAR 1969	BOTDP 03109	AIR TEMP 18.7	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0027	MONTH 04	SHIP E1	WET BULB 15.7	13 2 2	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 30	DATA USE 1	BAROMETR 1025.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 03 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 027	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	19.01	36.542	26.21		1521.2							
	OBS	00010	18.39	36.496	26.34		1519.6							
	OBS	00020	18.23	36.493	26.37		1519.3							
	OBS	00030	17.83	36.464	26.45		1518.2							
	OBS	00050	17.40	36.438	26.54		1517.3							
	OBS	00075	17.14	36.405	26.58		1516.9							
	OBS	00100	17.03	36.415	26.61		1517.0							
	OBS	00125	17.08	36.449	26.62		1517.6							
	OBS	00150	17.06	36.444	26.62		1517.9							
	OBS	00200	17.07	36.451	26.63		1518.8							
	OBS	00250	17.04	36.444	26.63		1519.5							
	OBS	00300	16.94	36.418	26.63		1520.0							
	OBS	00400	16.57	36.332	26.66		1520.4							
	OBS	00500	15.88	36.195	26.71		1519.8							
	OBS	00559	14.64	35.916	26.77		1516.5							
	OBS	00600	14.39	35.877	26.80		1516.4							
	OBS	00700	12.61	35.534	26.90		1511.7							
	OBS	00800	10.28	35.302	27.16		1506.9							
	OBS	00900	08.01	35.062	27.34		1497.9							
	OBS	01000	06.32	35.005	27.54		1492.9							
	OBS	01100	05.40	35.001	27.65		1490.8							
	OBS	01200	05.34	35.076	27.72		1490.4							
	OBS	01300	05.11	35.063	27.73		1490.1							
	OBS	01400	04.81	35.051	27.76		1490.5							
	OBS	01495	04.58	35.043	27.78		1494.1							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 04243	AIR TEMP 18.1	DIR HGT PER	WIND-DIR LL	INST STD RECORDER	TEN SQ 1206
CONSEC 0028	MONTH 05	SHIP E1	WET BULB 16.8	11 2 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 01	DATA USE 1	BAROMETR 1025.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 59 W	HOUR 00.6	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	ORIG E26 028	1 SQUARE 97

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.6	OBS	00000	18.86	36.533	26.25		1520.8							
	OBS	00010	18.32	36.460	26.33		1519.3							
	OBS	00020	18.25	36.470	26.35		1519.3							
	OBS	00030	18.18	36.445	26.35		1519.2							
	OBS	00050	17.54	36.414	26.49		1517.7							
	OBS	00075	17.15	36.444	26.60		1517.0							
	OBS	00100	17.09	36.445	26.62		1517.2							
	OBS	00125	17.05	36.445	26.63		1517.5							
	OBS	00150	17.02	36.438	26.63		1517.8							
	OBS	00200	17.01	36.447	26.64		1518.6							
	OBS	00250	17.01	36.439	26.63		1519.4							
	OBS	00300	16.91	36.416	26.64		1519.9							
	OBS	00400	16.68	36.364	26.65		1520.8							
	OBS	00500	16.01	36.237	26.71		1520.3							
	OBS	00570	14.88	35.971	26.76		1517.6							
	OBS	00588	15.00	36.075	26.82		1518.4							
	OBS	00600	14.78	36.016	26.82		1517.8							
	OBS	00700	12.72	35.839	26.88		1512.1							
	OBS	00800	10.80	35.379	27.13		1506.9							
	OBS	00900	08.54	35.174	27.35		1500.0							
	OBS	01000	06.53	35.001	27.50		1493.7							
	OBS	01100	05.42	34.988	27.64		1490.9							
	OBS	01200	05.01	35.000	27.70		1490.9							
	OBS	01285	04.78	35.001	27.72		1491.4							
	OBS	01300	04.84	35.043	27.75		1491.9							
	OBS	01400	04.75	35.048	27.76		1493.3							
	OBS	01500	04.59	35.040	27.78		1494.0							

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REFID 31 8097	YEAR 1969	BOTDP 04334	AIR TEMP 17.7	DIR HGT PER	WIND-DIR LU	INST STD RECORDER	TEN SQ 1206
CONSEC 0029	MONTH 05	SHIP E1	WET BULB 16.2	10 3 2	WIND-SPD 17	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 01	DATA USE 1	BAROMETR 1024.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 00 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E26 029	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	18.69	36.509	26.27		1520.3							
	OBS	00010	18.62	36.482	26.27		1520.2							
	OBS	00020	18.22	36.441	26.34		1519.2							
	OBS	00030	17.92	36.470	26.43		1518.5							
	OBS	00050	17.49	36.461	26.53		1517.6							
	OBS	00075	17.21	36.427	26.58		1517.1							
	OBS	00100	17.13	36.428	26.60		1517.3							
	OBS	00125	17.08	36.446	26.62		1517.6							
	OBS	00150	17.07	36.446	26.62		1518.0							
	OBS	00200	17.02	36.446	26.64		1518.6							
	OBS	00250	17.01	36.427	26.62		1519.4							
	OBS	00300	16.94	36.418	26.63		1520.0							
	OBS	00400	16.75	36.371	26.64		1521.0							
	OBS	00500	15.33	36.064	26.74		1517.9							
	OBS	00600	13.91	35.794	26.84		1514.7							
	OBS	00700	12.48	35.585	26.97		1511.3							
	OBS	00800	10.35	35.301	27.14		1505.2							
	OBS	00880	08.41	35.104	27.31		1499.1							
	OBS	00900	08.43	35.148	27.34		1499.6							
	OBS	00910	08.04	35.083	27.35		1498.2							
	OBS	00950	07.31	35.099	27.44		1496.8							
	OBS	01000	06.53	35.004	27.51		1493.7							
	OBS	01100	05.47	34.965	27.61		1491.1							
	OBS	01200	05.02	35.000	27.69		1490.9							
	OBS	01238	05.19	35.070	27.73		1492.4							
	OBS	01300	05.03	35.055	27.74		1492.7							
	OBS	01400	04.76	35.047	27.76		1493.3							
	OBS	01495	04.51	35.029	27.78		1493.8							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 02149	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1206
CONSEC 0030	MONTH 05	SHIP E1	WET BULB 16.5	11 2 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 01	DATA USE 1	BAROMETR 1024.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 11.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 G30	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.4	OBS	00000	18.23	36.460	26.35		1518.9							
	OBS	00010	18.06	36.435	26.37		1518.5							
	OBS	00020	17.76	36.421	26.44		1517.8							
	OBS	00030	17.52	36.412	26.49		1517.3							
	OBS	00050	17.19	36.424	26.58		1516.7							
	OBS	00075	17.11	36.429	26.60		1516.8							
	OBS	00100	17.08	36.429	26.61		1517.2							
	OBS	00125	17.08	36.437	26.61		1517.6							
	OBS	00150	17.08	36.438	26.62		1518.0							
	OBS	00200	17.08	36.447	26.62		1518.8							
	OBS	00250	17.07	36.446	26.62		1519.6							
	OBS	00300	17.01	36.427	26.62		1520.2							
	OBS	00400	16.66	36.378	26.67		1520.8							
	OBS	00500	15.87	36.175	26.70		1519.8							
	OBS	00600	14.79	36.005	26.81		1517.8							
	OBS	00700	13.11	35.648	26.85		1513.5							
	OBS	00788	10.99	35.253	26.99		1507.2							
	OBS	00800	10.73	35.354	27.12		1506.6							
	OBS	00877	08.88	35.042	27.19		1500.7							
	OBS	00900	08.61	35.113	27.29		1500.2							
	OBS	01000	06.79	34.965	27.44		1494.7							
	OBS	01060	05.93	34.936	27.53		1492.2							
	OBS	01100	05.62	35.016	27.63		1491.7							
	OBS	01200	05.25	35.040	27.70		1491.9							
	OBS	01300	04.91	35.032	27.73		1492.2							
	OBS	01400	04.69	35.023	27.75		1493.0							
	OBS	01497	04.53	35.032	27.78		1494.0							

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REFID 31 8097	YEAR 1969	BOTDP 01737	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0031	MONTH 05	SHIP E1	WET BULB 17.3	15 2 2	WIND-SPD 14	TRACE DIR D	5 SQUARE 4
LAT 35 05 N	DAY 01	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 17.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 031	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	18.29	36.453	26.33		1519.1							
	OBS	00010	17.91	36.415	26.39		1518.1							
	OBS	00020	17.61	36.407	26.46		1517.4							
	OBS	00030	17.40	36.425	26.53		1516.9							
	OBS	00050	17.13	36.450	26.61		1516.5							
	OBS	00075	17.07	36.443	26.62		1516.7							
	OBS	00100	17.07	36.447	26.62		1517.1							
	OBS	00125	17.06	36.444	26.62		1517.5							
	OBS	00150	17.06	36.444	26.62		1517.9							
	OBS	00200	17.10	36.445	26.62		1518.9							
	OBS	00250	17.01	36.419	26.62		1519.4							
	OBS	00300	16.95	36.425	26.64		1520.0							
	OBS	00400	16.95	36.428	26.64		1521.7							
	OBS	00500	16.16	36.267	26.70		1520.8							
	OBS	00600	14.90	35.911	26.71		1518.0							
	OBS	00700	12.89	35.635	26.92		1512.8							
	OBS	00800	10.87	35.339	27.08		1507.1							
	OBS	00900	08.27	35.083	27.32		1498.9							
	OBS	01000	06.40	34.993	27.52		1493.2							
	OBS	01100	05.58	34.980	27.61		1491.5							
	OBS	01200	05.17	35.023	27.65		1491.6							
	OBS	01300	04.92	35.008	27.71		1492.2							
	OBS	01400	04.70	35.014	27.74		1493.0							
	OBS	01497	04.36	35.006	27.77		1493.2							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTOP 01810	AIR TEMP 18.7	DIR HGT PER		WIND-DIR 16	INST STD RECORDER		TEN SQ 1206		
CONSEC 0032	MONTH 05	SHIP E1	WET BULB 17.4	16 3 2		WIND-SPD 14	TRACE DIR	D	5 SQUARE 4		
LAT 35 04 N	DAY 02	DATA USE 1	BAROMETR 1023.C	SEA		WIND-FOR	DURATION	00.4	2 SQUARE 48		
LONG 048 04 W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR		WEATHER X2	ORIG E26 032		1 SQUARE 58		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	18.19	36.458	26.36		1518.8							
	OBS	00010	18.18	36.458	26.36		1518.9							
	OBS	00020	17.61	36.421	26.47		1517.4							
	OBS	00030	17.27	36.441	26.57		1516.6							
	OBS	00050	17.09	36.441	26.62		1516.4							
	OBS	00075	17.04	36.443	26.63		1516.6							
	OBS	00100	17.04	36.443	26.63		1517.1							
	OBS	00125	17.04	36.444	26.63		1517.5							
	OBS	00150	17.04	36.444	26.63		1517.9							
	OBS	00200	17.04	36.445	26.63		1518.7							
	OBS	00250	17.03	36.441	26.63		1519.5							
	OBS	00300	17.02	36.440	26.63		1520.3							
	OBS	00400	16.28	36.250	26.66		1519.5							
	OBS	00490	15.34	36.082	26.75		1517.8							
	OBS	00500	15.30	36.122	26.79		1517.9							
	OBS	00530	15.31	36.144	26.80		1518.5							
	OBS	00600	15.06	36.084	26.81		1518.8							
	OBS	00700	13.22	35.649	26.87		1513.9							
	OBS	00800	11.16	35.398	27.07		1508.2							
	OBS	00900	09.15	35.180	27.25		1502.3							
	OBS	00920	08.82	35.120	27.26		1501.3							
	OBS	00950	08.42	35.166	27.36		1500.4							
	OBS	01000	06.99	34.977	27.42		1495.5							
	OBS	01100	05.93	35.046	27.62		1493.0							
	OBS	01200	05.11	34.989	27.67		1491.3							
	OBS	01300	04.88	35.010	27.72		1492.1							
	OBS	01400	04.67	34.994	27.73		1492.9							
	OBS	01500	04.42	35.006	27.77		1493.5							

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REFID 31 8C97	YEAR 1969	BOTOP 04572	AIR TEMP 18.1	DIR HGT PER		WIND-DIR 15	INST STD RECORDER		TEN SQ 1206		
CONSEC 0033	MONTH 05	SHIP E1	WET BULB 16.7	15 3 2		WIND-SPD 15	TRACE DIR	D	5 SQUARE 4		
LAT 35 01 N	DAY 02	DATA USE 1	BAROMETR 1020.5	SEA		WIND-FOR	DURATION	C0.3	2 SQUARE 48		
LONG C48 00 W	HOUR 05.6	AREA 05	CLOUD T/A	CL/TR		WEATHER X2	ORIG E26 033		1 SQUARE 58		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.6	OBS	00000	18.13	36.450	26.37		1518.6							
	OBS	00010	18.13	36.449	26.37		1518.8							
	OBS	00020	17.72	36.429	26.45		1517.7							
	OBS	00030	17.63	36.430	26.48		1517.6							
	OBS	00050	17.18	36.442	26.59		1516.6							
	OBS	00075	17.10	36.443	26.61		1516.8							
	OBS	00100	17.10	36.450	26.62		1517.2							
	OBS	00125	17.10	36.452	26.62		1517.6							
	OBS	00150	17.06	36.444	26.62		1517.9							
	OBS	00200	17.04	36.443	26.63		1518.7							
	OBS	00250	17.02	36.438	26.63		1519.4							
	OBS	00300	17.01	36.430	26.63		1520.2							
	OBS	00400	16.60	36.326	26.64		1520.5							
	OBS	00500	15.75	36.179	26.73		1519.4							
	OBS	00545	15.54	36.190	26.79		1519.5							
	OBS	00600	14.75	35.993	26.81		1517.7							
	OBS	00700	13.21	35.656	26.88		1513.9							
	OBS	00800	10.92	35.371	27.10		1507.3							
	OBS	00900	08.70	35.128	27.29		1500.6							
	OBS	00972	07.88	35.148	27.43		1498.7							
	OBS	01000	07.40	35.089	27.45		1497.2							
	OBS	01051	06.21	34.979	27.53		1493.2							
	OBS	01077	06.04	35.035	27.60		1493.1							
	OBS	01100	05.80	34.998	27.60		1492.4							
	OBS	01145	05.74	35.087	27.68		1493.1							
	OBS	01200	05.49	35.054	27.68		1492.9							
	OBS	01300	05.01	35.036	27.72		1494.6							
	OBS	01400	04.70	35.021	27.75		1493.0							
	OBS	01500	04.52	35.030	27.78		1494.0							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 04390 AIR TEMP 19.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0034 MONTH 05 SHIP E1 WET BULB 17.6 15 4 2 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 034 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	18.04	36.440	26.38		1518.3							
	OBS	00010	18.02	36.426	26.38		1518.4							
	OBS	00020	17.57	36.418	26.48		1517.3							
	OBS	00030	17.29	36.414	26.55		1516.6							
	OBS	00050	17.11	36.419	26.59		1516.4							
	OBS	00075	17.07	36.435	26.62		1516.7							
	OBS	00100	17.07	36.440	26.62		1517.1							
	OBS	00125	17.07	36.441	26.62		1517.5							
	OBS	00150	17.07	36.438	26.62		1518.0							
	OBS	00200	17.06	36.435	26.62		1518.7							
	OBS	00250	17.02	36.432	26.63		1519.4							
	OBS	00300	17.01	36.424	26.62		1520.2							
	OBS	00400	16.80	36.348	26.66		1520.5							
	OBS	00500	15.61	36.132	26.72		1518.9							
	OBS	00600	15.00	36.014	26.77		1518.5							
	OBS	00700	12.90	35.615	26.91		1512.8							
	OBS	00800	10.85	35.328	27.08		1507.0							
	OBS	00900	08.51	35.112	27.30		1499.8							
	OBS	01000	07.00	35.045	27.47		1495.6							
	OBS	01025	06.59	35.067	27.56		1494.5							
	OBS	01052	06.91	35.164	27.58		1496.3							
	OBS	01075	06.21											
	OBS	01100	06.01	35.042	27.61		1493.3							
	OBS	01110	05.71	34.997	27.61		1492.2							
	OBS	01200	05.13	34.983	27.67		1491.4							
	OBS	01300	04.83	34.995	27.71		1491.8							
	OBS	01400	04.60	34.996	27.74		1492.6							
	OBS	01498	04.42	35.000	27.76		1493.5							

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REFID 31 8097 YEAR 1969 BOTDP 03886 AIR TEMP 19.0 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0035 MONTH 05 SHIP E1 WET BULB 17.9 17 5 3 WIND-SPD 22 TRACE DIR 0 5 SQUARE 4
LAT 35 05 N DAY 02 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 10 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG E26 035 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	18.01	36.438	26.39		1518.2							
	OBS	00010	17.98	36.434	26.39		1518.3							
	OBS	00020	17.90	36.434	26.41		1518.3							
	OBS	00030	17.66	36.429	26.47		1517.7							
	OBS	00050	17.15	36.440	26.60		1516.6							
	OBS	00075	17.11	36.453	26.62		1516.9							
	OBS	00100	17.10	36.459	26.63		1517.2							
	OBS	00125	17.08	36.454	26.63		1517.6							
	OBS	00150	17.08	36.457	26.63		1518.0							
	OBS	00200	17.06	36.454	26.63		1518.8							
	OBS	00250	17.05	36.447	26.63		1519.5							
	OBS	00300	17.05	36.448	26.63		1520.4							
	OBS	00400	17.03	36.438	26.63		1521.9							
	OBS	00500	16.08	36.192	26.66		1520.4							
	OBS	00510	16.06	36.230	26.70		1520.6							
	OBS	00600	14.99	36.006	26.77		1518.4							
	OBS	00700	12.96	35.581	26.87		1513.0							
	OBS	00800	10.55	35.297	27.11		1505.9							
	OBS	00900	08.69	35.133	27.29		1500.5							
	OBS	01000	06.63	34.924	27.43		1494.0							
	OBS	01100	05.45	34.989	27.63		1491.0							
	OBS	01200	05.06	34.989	27.68		1491.1							
	OBS	01300	04.71	34.985	27.72		1491.3							
	OBS	01400	04.54	34.995	27.75		1492.3							
	OBS	01495	04.38	34.999	27.77		1493.3							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 04389 AIR TEMP 18.9 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206
CONSEC 0036 MONTH 05 SHIP EI WET BULB 16.9 20 3 4 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 03 DATA USE 1 BAROMETR 1014.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 036 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.7	OBS	00000	18.33	36.405	26.28		1519.1							
	OBS	00010	18.33	36.427	26.30		1519.3							
	OBS	00020	18.15	36.390	26.32		1518.9							
	OBS	00030	17.70	36.378	26.42		1517.8							
	OBS	00050	17.20	36.433	26.58		1516.7							
	OBS	00075	17.08	36.439	26.62		1516.8							
	OBS	00100	17.05	36.439	26.62		1517.1							
	OBS	00125	17.03	36.439	26.63		1517.4							
	OBS	00150	17.02	36.439	26.63		1517.8							
	OBS	00200	17.02	36.441	26.63		1518.6							
	OBS	00250	17.01	36.435	26.63		1519.4							
	OBS	00300	17.01	36.434	26.63		1520.2							
	OBS	00400	16.11	36.192	26.66		1518.9							
	OBS	00464	15.30	36.058	26.74		1517.2							
	OBS	00480	15.39	36.103	26.75		1517.8							
	OBS	00485	15.26	36.078	26.76		1517.5							
	OBS	00500	15.24	36.104	26.79		1517.7							
	OBS	00600	15.01	36.052	26.80		1518.6							
	OBS	00700	13.55	35.704	26.84		1515.1							
	OBS	00780	11.41	35.326	26.97		1508.6							
	OBS	00800	11.04	35.396	27.10		1507.8							
	OBS	00900	08.65	35.142	27.30		1500.4							
	OBS	00960	07.99	35.136	27.40		1498.9							
	OBS	01000	06.78	34.942	27.42		1494.6							
	OBS	01100	05.56	34.948	27.59		1491.4							
	OBS	01200	05.12	35.007	27.69		1491.4							
	OBS	01300	04.81	34.980	27.70		1491.7							
	OBS	01400	04.65	35.002	27.74		1492.8							
	OBS	01500	04.52	35.009	27.76		1493.9							

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REFID 31 8097 YEAR 1969 BOTDP 03931 AIR TEMP 18.2 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206
CONSEC 0037 MONTH 05 SHIP EI WET BULB 15.0 22 3 4 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 16 N DAY 03 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 37 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 037 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.5	OBS	00000	18.03	36.371	26.33		1518.2							
	OBS	00010	17.87	36.390	26.39		1517.9							
	OBS	00020	17.75	36.404	26.43		1517.8							
	OBS	00030	17.36	36.422	26.54		1516.8							
	OBS	00050	17.15	36.454	26.61		1516.6							
	OBS	00075	17.11	36.458	26.62		1516.9							
	OBS	00100	17.10	36.458	26.63		1517.2							
	OBS	00125	17.09	36.459	26.63		1517.6							
	OBS	00150	17.08	36.457	26.63		1518.0							
	OBS	00200	17.08	36.451	26.63		1518.8							
	OBS	00250	17.04	36.450	26.63		1519.5							
	OBS	00300	17.04	36.448	26.63		1520.3							
	OBS	00400	17.00	36.427	26.63		1521.8							
	OBS	00450	16.76	36.376	26.64		1521.9							
	OBS	00500	15.92	36.195	26.70		1519.9							
	OBS	00513	15.96	36.279	26.76		1520.4							
	OBS	00600	15.07	36.031	26.77		1518.7							
	OBS	00700	12.89	35.643	26.93		1512.8							
	OBS	00800	10.67	35.246	27.05		1506.3							
	OBS	00900	08.56	35.105	27.25		1500.0							
	OBS	00919	08.41	35.159	27.36		1499.8							
	OBS	01000	06.76	35.001	27.47		1494.6							
	OBS	01100	05.46	34.982	27.63		1491.0							
	OBS	01200	05.01	34.986	27.68		1490.9							
	OBS	01300	04.77	34.989	27.71		1491.6							
	OBS	01400	04.49	34.986	27.74		1492.1							
	OBS	01500	04.38	35.003	27.77		1493.3							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 04343 AIR TEMP 16.7 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0038 MONTH 05 SHIP E1 WET BULB 13.5 31 3 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 03 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 038 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.25	36.409	26.31		1518.9							
	OBS	00010	18.25	36.407	26.30		1519.1							
	OBS	00020	18.14	36.408	26.33		1518.9							
	OBS	00030	17.41	36.407	26.51		1517.0							
	OBS	00050	17.13	36.432	26.60		1516.5							
	OBS	00075	17.07	36.433	26.61		1516.7							
	OBS	00100	17.02	36.434	26.63		1517.0							
	OBS	00125	17.03	36.440	26.63		1517.4							
	OBS	00150	17.02	36.440	26.63		1517.8							
	OBS	00200	17.04	36.444	26.63		1518.7							
	OBS	00250	17.04	36.446	26.63		1519.5							
	OBS	00300	17.03	36.449	26.64		1520.3							
	OBS	00400	16.82	36.391	26.64		1521.3							
	OBS	00500	15.88	36.213	26.73		1519.8							
	OBS	00600	14.82	36.002	26.80		1517.9							
	OBS	00700	13.01	35.647	26.91		1513.2							
	OBS	00800	10.87	35.335	27.08		1507.1							
	OBS	00900	08.47	35.070	27.28		1499.6							
	OBS	00930	07.75	35.031	27.36		1497.3							
	OBS	00950	07.77	35.159	27.45		1497.9							
	OBS	01000	07.31	35.143	27.51		1496.9							
	OBS	01065	06.09	34.940	27.51		1492.9							
	OBS	01100	05.84	35.015	27.61		1492.6							
	OBS	01200	05.13	34.993	27.68		1491.4							
	OBS	01300	05.08	35.065	27.74		1493.0							
	OBS	01400	04.88	35.054	27.75		1493.8							
	OBS	01500	04.60	35.041	27.77		1494.3							

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REFID 31 8097 YEAR 1969 BOTDP 04206 AIR TEMP 16.2 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0039 MONTH 05 SHIP E1 WET BULB 11.5 21 3 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 04 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 00 W HOUR 05.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 039 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.6	OBS	00000	18.19	36.407	26.32		1518.7							
	OBS	00010	18.19	36.403	26.32		1518.9							
	OBS	00020	18.11	36.399	26.33		1518.8							
	OBS	00030	17.72	36.476	26.49		1517.9							
	OBS	00050	17.20	36.416	26.57		1516.7							
	OBS	00075	17.08	36.421	26.60		1516.7							
	OBS	00100	17.03	36.422	26.62		1517.0							
	OBS	00125	17.02	36.430	26.62		1517.4							
	OBS	00150	17.05	36.447	26.63		1517.9							
	OBS	00200	17.04	36.440	26.63		1518.7							
	OBS	00250	17.04	36.445	26.63		1519.5							
	OBS	00300	17.04	36.449	26.63		1520.3							
	OBS	00400	16.83	36.405	26.65		1521.3							
	OBS	00500	16.05	36.228	26.70		1520.4							
	OBS	00600	15.32	36.089	26.76		1519.6							
	OBS	00700	13.62	35.752	26.87		1515.4							
	OBS	00800	11.26	35.421	27.07		1508.6							
	OBS	00900	08.94	35.130	27.25		1501.5							
	OBS	00945	07.85	35.062	27.37		1498.0							
	OBS	00965	07.81	35.179	27.46		1498.3							
	OBS	01000	07.50	35.150	27.49		1497.7							
	OBS	01050	06.24	34.991	27.54		1493.4							
	OBS	01100	05.73	35.004	27.61		1492.2							
	OBS	01200	05.15	35.036	27.71		1491.5							
	OBS	01300	05.21	35.050	27.71		1493.5							
	OBS	01400	04.90	35.050	27.75		1493.9							
	OBS	01495	04.59	35.033	27.77		1494.2							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 01353 AIR TEMP 16.2 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1206
CONSEC 0040 MONTH 05 SHIP E1 WET BULB 11.0 30 3 4 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 04 DATA USE 1 BAROMETR 1020.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 08 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 040 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	18.01	36.404	26.36		1518.2							
	OBS	00010	18.01	36.399	26.36		1518.4							
	OBS	00020	18.00	36.399	26.36		1518.5							
	OBS	00030	17.90	36.401	26.39		1518.4							
	OBS	00050	17.21	36.435	26.58		1516.7							
	OBS	00075	17.08	36.436	26.61		1516.8							
	OBS	00100	17.03	36.435	26.63		1517.0							
	OBS	00125	17.05	36.456	26.64		1517.5							
	OBS	00150	17.09	36.469	26.64		1518.0							
	OBS	00200	17.10	36.469	26.63		1518.9							
	OBS	00250	17.10	36.468	26.63		1519.7							
	OBS	00300	17.08	36.451	26.63		1520.5							
	OBS	00400	17.01	36.444	26.64		1521.9							
	OBS	00500	16.41	36.309	26.68		1521.6							
	OBS	00600	15.05	35.995	26.74		1518.6							
	OBS	00700	12.95	35.642	26.92		1513.0							
	OBS	00800	11.37	35.381	27.02		1508.9							
	OBS	00885	09.36	35.206	27.24		1502.9							
	OBS	00900	08.75	35.077	27.24		1500.7							
	OBS	00990	06.40	34.939	27.47		1492.9							
	OBS	01000	06.27	34.994	27.53		1492.6							
	OBS	01025	05.91	34.959	27.55		1491.6							
	OBS	01100	05.56	35.025	27.65		1491.5							
	OBS	01200	05.14	35.044	27.71		1491.5							
	OBS	01300	05.00	35.051	27.74		1492.6							

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REFID 31 8097 YEAR 1969 BOTDP 01737 AIR TEMP 17.3 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0041 MONTH 05 SHIP E1 WET BULB 12.8 31 3 4 WIND-SPD 11 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 04 DATA USE 1 BAROMETR 1018.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 05.5W HOUR 17.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 041 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.4	OBS	00000	18.29	36.419	26.30		1519.0							
	OBS	00010	18.11	36.414	26.34		1518.7							
	OBS	00020	17.82	36.420	26.42		1518.0							
	OBS	00030	17.49	36.440	26.52		1517.2							
	OBS	00050	17.29	36.425	26.55		1516.9							
	OBS	00075	17.11	36.434	26.61		1516.8							
	OBS	00100	17.10	36.446	26.62		1517.2							
	OBS	00125	17.10	36.445	26.62		1517.6							
	OBS	00150	17.10	36.446	26.62		1518.1							
	OBS	00200	17.07	36.442	26.62		1518.8							
	OBS	00250	17.06	36.440	26.62		1519.6							
	OBS	00300	17.02	36.435	26.63		1520.3							
	OBS	00400	16.83	36.390	26.64		1521.3							
	OBS	00500	16.23	36.276	26.69		1521.0							
	OBS	00600	15.62	36.124	26.72		1520.6							
	OBS	00700	13.98	35.781	26.81		1516.6							
	OBS	00800	11.25	35.410	27.07		1508.5							
	OBS	00900	08.59	34.986	27.19		1500.0							
	OBS	00940	08.31	35.147	27.36		1499.8							
	OBS	01000	06.80	34.988	27.46		1494.7							
	OBS	01100	05.56	34.956	27.59		1491.4							
	OBS	01200	05.13	34.976	27.66		1491.4							
	OBS	01300	04.81	34.993	27.71		1491.7							
	OBS	01400	04.71	35.016	27.74		1493.0							
	OBS	01500	04.67	35.036	27.76		1494.6							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 04206	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0042	MONTH 05	SHIP E1	WET BULB 13.8	31 3 4	WIND-SPD 17	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 04	DATA USE 1	BAROMETR 1018.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 02 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E26 042	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.22	36.420	26.32		1518.8							
	OBS	00010	18.04	36.419	26.37		1518.5							
	OBS	00020	18.00	36.422	26.38		1518.5							
	OBS	00030	17.76	36.406	26.43		1518.0							
	OBS	00050	17.27	36.434	26.57		1516.9							
	OBS	00075	17.17	36.429	26.59		1517.0							
	OBS	00100	17.10	36.437	26.61		1517.2							
	OBS	00125	17.11	36.452	26.62		1517.7							
	OBS	00150	17.13	36.459	26.62		1518.2							
	OBS	00200	17.07	36.438	26.62		1518.8							
	OBS	00250	17.06	36.442	26.62		1519.6							
	OBS	00300	17.02	36.431	26.62		1520.3							
	OBS	00400	16.69	36.349	26.64		1520.8							
	OBS	00430	16.59	36.359	26.67		1521.0							
	OBS	00500	15.53	36.100	26.72		1518.6							
	OBS	00600	14.33	35.818	26.77		1516.1							
	OBS	00700	13.11	35.637	26.88		1513.5							
	OBS	00800	11.43	35.436	27.05		1509.2							
	OBS	00900	08.52	35.067	27.27		1499.8							
	OBS	00910	08.45	35.159	27.35		1499.8							
	OBS	01000	06.80	35.011	27.48		1494.8							
	OBS	01100	05.72	34.988	27.60		1492.1							
	OBS	01200	05.04	34.983	27.68		1491.0							
	OBS	01300	04.83	35.002	27.72		1491.8							
	OBS	01335	04.78	34.999	27.72		1492.2							
	OBS	01360	04.93	35.036	27.73		1493.3							
	OBS	01370	04.79	35.017	27.73		1492.9							
	OBS	01400	04.92	35.054	27.75		1494.0							
	OBS	01500	04.69	35.040	27.76		1494.7							

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REFID 31 8097	YEAR 1969	BOTDP 01481	AIR TEMP 17.2	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0043	MONTH 05	SHIP E1	WET BULB 13.5	31 3 4	WIND-SPD 24	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 05	DATA USE 1	BAROMETR 1016.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 07 W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E26 043	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.8	OBS	00000	18.02	36.402	26.36		1518.2							
	OBS	00010	18.02	36.402	26.36		1518.4							
	OBS	00020	18.02	36.402	26.36		1518.6							
	OBS	00030	18.02	36.401	26.36		1518.7							
	OBS	00050	17.70	36.400	26.44		1518.1							
	OBS	00075	17.19	36.441	26.59		1517.1							
	OBS	00100	17.06	36.432	26.62		1517.1							
	OBS	00125	17.05	36.437	26.62		1517.5							
	OBS	00150	17.09	36.446	26.62		1518.0							
	OBS	00200	17.11	36.462	26.63		1518.9							
	OBS	00250	17.11	36.461	26.63		1519.7							
	OBS	00300	17.10	36.451	26.62		1520.5							
	OBS	00400	17.06	36.443	26.62		1522.0							
	OBS	00500	16.39	36.286	26.66		1521.5							
	OBS	00600	15.07	36.038	26.77		1518.7							
	OBS	00700	13.21	35.665	26.88		1513.9							
	OBS	00800	11.36	35.365	27.01		1508.9							
	OBS	00900	09.42	35.197	27.22		1503.3							
	OBS	01000	07.17	35.019	27.43		1496.2							
	OBS	01100	05.81	34.978	27.58		1492.5							
	OBS	01200	05.35	35.036	27.68		1492.3							
	OBS	01300	05.12	35.042	27.72		1493.1							
	OBS	01350	05.09	35.045	27.72		1493.8							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 03521 AIR TEMP 17.9 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN Sw 1206
CONSEC 0044 MONTH 05 SHIP E1 WET BULB 14.3 24 4 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 05 DATA USE 1 BAROMETR 1017.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 04 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 044 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	18.21	36.433	26.33		1518.8							
	OBS	00010	18.21	36.432	26.33		1519.0							
	OBS	00020	17.96	36.432	26.40		1518.4							
	OBS	00030	17.39	36.433	26.54		1516.9							
	OBS	00050	17.19	36.432	26.58		1516.7							
	OBS	00075	17.08	36.441	26.62		1516.8							
	OBS	00100	17.08	36.449	26.62		1517.2							
	OBS	00125	17.08	36.459	26.63		1517.6							
	OBS	00150	17.08	36.456	26.63		1518.0							
	OBS	00200	17.08	36.449	26.62		1518.8							
	OBS	00250	17.04	36.440	26.63		1519.5							
	OBS	00300	17.03	36.444	26.63		1520.3							
	OBS	00380	16.89	36.432	26.66		1521.2							
	OBS	00400	16.75	36.390	26.66		1521.0							
	OBS	00500	15.81	36.184	26.72		1519.6							
	OBS	00600	15.02	36.047	26.79		1518.6							
	OBS	00700	13.16	35.614	26.85		1516.7							
	OBS	00800	10.98	35.373	27.09		1507.5							
	OBS	00900	08.70	35.157	27.31		1500.0							
	OBS	00960	07.51	35.075	27.43		1497.0							
	OBS	00970	07.71	35.126	27.44		1498.0							
	OBS	01000	07.10	35.117	27.52		1496.1							
	OBS	01100	05.58	34.985	27.61		1491.5							
	OBS	01200	05.29	35.048	27.70		1492.1							
	OBS	01300	05.01	35.049	27.73		1492.6							
	OBS	01400	04.66	35.034	27.76		1492.9							
	OBS	01500	04.41	35.019	27.78		1493.5							

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REFID 31 8097 YEAR 1969 BOTDP 02926 AIR TEMP 18.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0045 MONTH 05 SHIP E1 WET BULB 15.7 30 4 5 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 05 DATA USE 1 BAROMETR 1016.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 11 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 045 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	18.08	36.411	26.35		1518.4							
	OBS	00010	18.01	36.410	26.37		1518.4							
	OBS	00020	17.79	36.422	26.43		1517.9							
	OBS	00030	17.27	36.427	26.56		1516.6							
	OBS	00050	17.14	36.433	26.60		1516.5							
	OBS	00075	17.07	36.432	26.61		1516.7							
	OBS	00100	17.07	36.434	26.61		1517.1							
	OBS	00125	17.06	36.435	26.62		1517.5							
	OBS	00150	17.06	36.437	26.62		1517.9							
	OBS	00200	17.11	36.456	26.62		1518.9							
	OBS	00250	17.09	36.445	26.62		1519.7							
	OBS	00300	17.05	36.434	26.62		1520.4							
	OBS	00400	16.88	36.387	26.62		1521.4							
	OBS	00500	16.30	36.243	26.65		1521.2							
	OBS	00600	15.11	36.012	26.74		1518.8							
	OBS	00700	13.30	35.689	26.88		1514.2							
	OBS	00800	10.96	35.322	27.05		1507.4							
	OBS	00864	09.39	35.213	27.24		1502.6							
	OBS	00890	09.27	35.214	27.26		1502.6							
	OBS	00900	08.95	35.189	27.29		1501.6							
	OBS	01000	07.24	34.977	27.54		1496.4							
	OBS	01100	05.76	35.017	27.62		1492.3							
	OBS	01200	05.27	35.036	27.69		1492.0							
	OBS	01300	04.94	34.992	27.70		1492.3							
	OBS	01400	04.79	35.020	27.74		1493.4							
	OBS	01500	04.64	35.029	27.76		1494.5							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 03000	AIR TEMP 17.6	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0046	MONTH 05	SHIP E1	WET BULB 16.8	30 3 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 34 59 N	DAY 05	DATA USE 1	BAROMETR 1016.1	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 54 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG E26 046	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.24	36.427	26.32		1518.9							
	OBS	00010	18.25	36.424	26.32		1519.1							
	OBS	00020	18.25	36.422	26.32		1519.2							
	OBS	00030	18.11	36.409	26.34		1519.0							
	OBS	00050	17.22	36.433	26.58		1516.8							
	OBS	00075	17.11	36.439	26.61		1516.8							
	OBS	00100	17.09	36.441	26.62		1517.2							
	OBS	00125	17.07	36.435	26.62		1517.5							
	OBS	00150	17.10	36.450	26.62		1518.1							
	OBS	00200	17.09	36.446	26.62		1518.8							
	OBS	00250	17.08	36.446	26.62		1519.6							
	OBS	00300	17.06	36.438	26.62		1520.4							
	OBS	00340	17.01	36.423	26.62		1520.9							
	OBS	00400	16.47	36.310	26.66		1520.1							
	OBS	00500	15.69	36.169	26.73		1519.2							
	OBS	00600	14.68	35.959	26.80		1517.4							
	OBS	00700	12.76	35.588	26.91		1512.3							
	OBS	00800	10.81	35.343	27.10		1506.9							
	OBS	00900	08.74	35.143	27.29		1500.7							
	OBS	01000	07.22	35.103	27.49		1496.5							
	OBS	01100	06.09	35.056	27.61		1493.7							
	OBS	01200	05.65	35.076	27.68		1493.6							
	OBS	01300	05.13	35.063	27.73		1493.2							
	OBS	01400	04.84	35.040	27.75		1493.0							
	OBS	01500	04.59	35.030	27.77		1494.2							

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REFID 31 8097	YEAR 1969	BOTDP 03840	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0047	MONTH 05	SHIP E1	WET BULB 17.0	30 3 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 35 03 N	DAY 06	DATA USE 1	BAROMETR 1010.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG E26 047	1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.7	OBS	00000	18.04	36.231	26.22		1518.1							
	OBS	00010	18.03	36.392	26.35		1518.4							
	OBS	00020	18.03	36.394	26.35		1518.6							
	OBS	00030	18.03	36.395	26.35		1518.7							
	OBS	00050	17.60	36.418	26.47		1517.8							
	OBS	00075	17.21	36.435	26.58		1517.1							
	OBS	00100	17.11	36.434	26.61		1517.2							
	OBS	00125	17.10	36.446	26.62		1517.6							
	OBS	00150	17.11	36.454	26.62		1518.1							
	OBS	00200	17.12	36.455	26.62		1518.9							
	OBS	00250	17.11	36.450	26.62		1519.7							
	OBS	00300	17.11	36.450	26.62		1520.5							
	OBS	00400	16.86	36.386	26.63		1521.4							
	OBS	00500	16.25	36.269	26.68		1521.0							
	OBS	00600	15.06	36.000	26.75		1518.7							
	OBS	00700	13.31	35.695	26.89		1514.3							
	OBS	00800	11.39	35.443	27.07		1509.1							
	OBS	00900	08.75	35.092	27.25		1500.7							
	OBS	00960	07.82	35.094	27.36		1498.2							
	OBS	00965	08.02	35.183	27.43		1499.1							
	OBS	01000	07.35	35.090	27.46		1497.0							
	OBS	01100	05.82	34.991	27.59		1492.5							
	OBS	01200	05.12	34.990	27.67		1491.3							
	OBS	01300	04.82	34.990	27.71		1491.8							
	OBS	01400	04.79	35.030	27.74		1493.4							
	OBS	01500	04.60	35.035	27.77		1494.3							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 02834 AIR TEMP 16.1 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0048 MONTH 05 SHIP E1 WET BULB 16.3 21 5 4 WIND-SPD 02 TRACE DIR D 5 SQUARE 4
LAT 35 13 N DAY 07 DATA USE 1 BAROMETR 1008.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 57 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 046 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	18.05	36.343	26.31		1518.2							
	OBS	00010	18.04	36.344	26.31		1518.4							
	OBS	00020	18.01	36.352	26.32		1518.5							
	OBS	00030	17.93	36.351	26.34		1518.4							
	OBS	00050	17.51	36.389	26.47		1517.6							
	OBS	00075	17.14	36.414	26.58		1516.9							
	OBS	00100	17.12	36.412	26.59		1517.2							
	OBS	00125	17.09	36.420	26.60		1517.6							
	OBS	00150	17.09	36.427	26.60		1518.0							
	OBS	00200	17.10	36.435	26.61		1518.9							
	OBS	00250	17.10	36.435	26.61		1519.7							
	OBS	00300	17.09	36.437	26.61		1520.5							
	OBS	00400	16.94	36.412	26.63		1521.6							
	OBS	00472	16.48	36.291	26.65		1521.3							
	OBS	00500	16.42	36.300	26.67		1521.6							
	OBS	00600	14.69	35.903	26.75		1517.4							
	OBS	00700	13.31	35.617	26.63		1514.2							
	OBS	00800	10.82	35.330	27.08		1506.9							
	OBS	00900	08.87	35.149	27.28		1501.2							
	OBS	00920	07.91	35.103	27.39		1497.9							
	OBS	00975	07.66	35.079	27.41		1497.8							
	OBS	01000	07.01	35.024	27.46		1495.6							
	OBS	01100	05.43	34.967	27.62		1490.9							
	OBS	01200	05.17	35.005	27.68		1491.6							
	OBS	01300	04.85	34.996	27.71		1491.9							
	OBS	01400	04.69	35.012	27.74		1493.0							
	OBS	01500	04.43	35.007	27.77		1493.6							

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REFID 31 8097 YEAR 1969 BOTDP 04352 AIR TEMP 18.2 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0049 MONTH 05 SHIP E1 WET BULB 16.7 22 3 4 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 07 DATA USE 1 BAROMETR 1008.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 57 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 049 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	18.27	36.337	26.25		1518.9							
	OBS	00010	18.05	36.309	26.28		1518.4							
	OBS	00020	18.01	36.350	26.32		1518.5							
	OBS	00030	18.00	36.352	26.32		1518.6							
	OBS	00050	17.88	36.365	26.36		1518.6							
	OBS	00075	17.21	36.412	26.56		1517.1							
	OBS	00100	17.12	36.420	26.59		1517.3							
	OBS	00125	17.08	36.427	26.61		1517.6							
	OBS	00150	17.07	36.427	26.61		1517.9							
	OBS	00200	17.06	36.430	26.61		1518.7							
	OBS	00250	17.05	36.421	26.61		1519.5							
	OBS	00300	17.02	36.406	26.61		1520.2							
	OBS	00400	16.76	36.341	26.62		1521.0							
	OBS	00500	15.72	36.145	26.71		1519.3							
	OBS	00550	15.28	36.062	26.75		1518.6							
	OBS	00565	14.87	36.002	26.79		1517.5							
	OBS	00580	15.01	36.042	26.79		1518.2							
	OBS	00600	14.74	35.973	26.80		1517.6							
	OBS	00700	13.01	35.600	26.87		1513.1							
	OBS	00800	11.11	35.396	27.08		1508.0							
	OBS	00900	08.49	35.102	27.30		1499.7							
	OBS	00940	07.62	35.046	27.39		1497.0							
	OBS	00950	07.78	35.135	27.43		1497.9							
	OBS	01000	07.35	35.115	27.48		1497.1							
	OBS	01100	05.80	35.002	27.60		1492.4							
	OBS	01200	05.19	34.995	27.67		1491.6							
	OBS	01300	05.13	35.054	27.72		1493.1							
	OBS	01400	04.79	35.022	27.74		1493.4							
	OBS	01500	04.58	35.026	27.77		1494.2							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 04938 AIR TEMP 17.7 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0050 MONTH 05 SHIP E1 WET BULB 14.9 21 3 4 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 07 DATA USE 1 BAROMETR 1010.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 05 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 050 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.11	36.363	26.31		1518.4							
	OBS	00010	18.08	36.339	26.29		1518.5							
	OBS	00020	18.03	36.370	26.33		1518.5							
	OBS	00030	18.01	36.378	26.34		1518.7							
	OBS	00050	17.80	36.390	26.40		1518.4							
	OBS	00075	17.11	36.416	26.59		1516.8							
	OBS	00100	17.11	36.431	26.60		1517.2							
	OBS	00125	17.11	36.435	26.61		1517.7							
	OBS	00150	17.11	36.435	26.61		1518.1							
	OBS	00200	17.11	36.434	26.61		1518.9							
	OBS	00250	17.11	36.435	26.61		1519.7							
	OBS	00300	17.06	36.427	26.61		1520.4							
	OBS	00400	16.80	36.361	26.62		1521.2							
	OBS	00500	15.96	36.159	26.67		1520.0							
	OBS	00600	14.52	35.864	26.76		1516.8							
	OBS	00700	12.72	35.573	26.91		1512.1							
	OBS	00800	10.66	35.331	27.11		1506.3							
	OBS	00900	08.21	35.101	27.34		1498.7							
	OBS	00953	06.96	35.002	27.45		1494.6							
	OBS	00959	06.91	35.068	27.51		1494.6							
	OBS	01000	06.56	35.031	27.52		1493.8							
	OBS	01038	06.70	35.176	27.62		1495.2							
	OBS	01100	06.30	35.116	27.63		1494.6							
	OBS	01200	05.60	35.078	27.69		1493.4							
	OBS	01300	05.01	35.042	27.73		1492.6							
	OBS	01400	04.77	35.030	27.75		1493.3							
	OBS	01500	04.59	35.024	27.76		1494.2							

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REFID 31 8097 YEAR 1969 BOTDP 04206 AIR TEMP 18.7 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0051 MONTH 05 SHIP E1 WET BULB 13.3 27 4 4 WIND-SPD 25 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 08 DATA USE 1 BAROMETR 1008.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 02 W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 051 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.8	OBS	00000	18.03	36.347	26.31		1518.2							
	OBS	00010	18.03	36.347	26.31		1518.4							
	OBS	00020	18.02	36.334	26.31		1518.5							
	OBS	00030	17.81	36.319	26.35		1518.0							
	OBS	00050	17.10	36.409	26.59		1516.4							
	OBS	00075	17.10	36.418	26.60		1516.8							
	OBS	00100	17.10	36.430	26.60		1517.2							
	OBS	00125	17.03	36.419	26.61		1517.4							
	OBS	00150	17.03	36.422	26.62		1517.8							
	OBS	00200	17.03	36.425	26.62		1518.6							
	OBS	00250	17.02	36.421	26.62		1519.4							
	OBS	00300	17.01	36.416	26.62		1520.2							
	OBS	00400	16.71	36.352	26.64		1520.9							
	OBS	00500	15.93	36.186	26.69		1520.0							
	OBS	00600	14.81	35.943	26.76		1517.8							
	OBS	00625	14.42	35.863	26.76		1516.9							
	OBS	00630	14.47	35.883	26.79		1517.1							
	OBS	00700	12.96	35.636	26.91		1513.0							
	OBS	00740	12.02	35.534	27.02		1510.4							
	OBS	00770	11.93	35.518	27.02		1510.5							
	OBS	00800	11.02	35.378	27.08		1507.7							
	OBS	00900	08.92	35.101	27.23		1501.3							
	OBS	00930	08.16	35.106	27.35		1499.0							
	OBS	00942	08.19	35.169	27.40		1499.4							
	OBS	01000	07.11	35.066	27.48		1496.1							
	OBS	01015	06.71	34.994	27.47		1494.6							
	OBS	01100	05.61	34.985	27.61		1491.7							
	OBS	01200	05.11	34.983	27.67		1491.3							
	OBS	01300	05.19	35.033	27.70		1493.4							
	OBS	01400	04.92	35.043	27.74		1493.9							
	OBS	01495	04.67	35.034	27.76		1494.5							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BCTDP 04755	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0052	MONTH 05	SHIP E1	WET BULB 11.1	31 5 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 08	DATA USE 1	BAROMETR 1014.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 56 W	HOUR 17.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 052	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	OBS	00000	18.03	36.367	26.33		1518.2							
	OBS	00010	18.03	36.367	26.33		1518.4							
	OBS	00020	18.03	36.366	26.33		1518.5							
	OBS	00030	18.03	36.365	26.33		1518.7							
	OBS	00050	18.01	36.365	26.33		1519.0							
	OBS	00075	17.73	36.391	26.42		1518.6							
	OBS	00100	17.05	36.428	26.61		1517.1							
	OBS	00125	17.06	36.431	26.61		1517.5							
	OBS	00150	17.07	36.443	26.62		1518.0							
	OBS	00200	17.07	36.442	26.62		1518.8							
	OBS	00250	17.07	36.442	26.62		1519.6							
	OBS	00300	17.02	36.427	26.62		1520.3							
	OBS	00400	16.63	36.338	26.65		1520.6							
	OBS	00500	15.96	36.211	26.71		1520.1							
	OBS	00600	15.08	36.062	26.75		1518.8							
	OBS	00700	12.82	35.580	26.90		1512.5							
	OBS	00800	10.71	35.313	27.09		1506.5							
	OBS	00900	08.78	35.136	27.28		1500.9							
	OBS	01000	07.18	35.133	27.52		1496.4							
	OBS	01050	06.84	35.174	27.60		1496.0							
	OBS	01100	06.09	35.094	27.64		1493.7							
	OBS	01200	05.38	35.032	27.68		1492.5							
	OBS	01300	05.01	35.053	27.74		1492.6							
	OBS	01400	04.81	35.036	27.75		1493.5							
	OBS	01500	04.49	35.023	27.77		1493.8							

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REFID 31 8097	YEAR 1969	BCTDP 03109	AIR TEMP 14.5	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1206
CONSEC 0053	MONTH 05	SHIP E1	WET BULB 11.6	32 5 3	WIND-SPD 27	TRACE DIR D	5 SQUARE 4
LAT 35 16 N	DAY 09	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 14 W	HOUR 11.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 053	1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	18.24	36.400	26.30		1518.9							
	OBS	00010	18.24	36.401	26.30		1519.0							
	OBS	00020	18.24	36.402	26.30		1519.2							
	OBS	00030	18.24	36.402	26.30		1519.4							
	OBS	00050	17.48	36.409	26.50		1517.5							
	OBS	00075	17.08	36.410	26.59		1516.7							
	OBS	00100	17.06	36.410	26.60		1517.1							
	OBS	00125	17.12	36.443	26.61		1517.7							
	OBS	00150	17.12	36.446	26.61		1518.1							
	OBS	00200	17.11	36.445	26.61		1518.9							
	OBS	00250	17.11	36.446	26.61		1519.7							
	OBS	00300	17.11	36.443	26.61		1520.5							
	OBS	00400	16.93	36.397	26.62		1521.6							
	OBS	00500	15.94	36.190	26.69		1520.0							
	OBS	00530	15.71	36.260	26.80		1519.9							
	OBS	00540	15.23	36.150	26.82		1518.4							
	OBS	00600	14.77	35.997	26.81		1517.7							
	OBS	00700	12.81	35.596	26.91		1512.5							
	OBS	00800	10.65	35.305	27.09		1506.3							
	OBS	00900	08.32	35.112	27.33		1499.1							
	OBS	01000	06.69	35.016	27.49		1494.3							
	OBS	01100	05.55	34.977	27.61		1491.4							
	OBS	01200	05.04	34.990	27.68		1491.0							
	OBS	01300	04.69	34.980	27.72		1491.2							
	OBS	01400	04.43	34.982	27.75		1491.8							
	OBS	01495	04.28	34.979	27.76		1492.8							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 05030 AIR TEMP 17.0 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1206
CONSEC 0054 MONTH 05 SHIP EI WET BULB 14.4 33 5 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
LAT 34 47 N DAY 09 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 50 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 054 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	17.91	36.386	26.37		1517.9							
	OBS	00010	17.91	36.386	26.37		1518.1							
	OBS	00020	17.89	36.382	26.37		1518.2							
	OBS	00030	17.88	36.385	26.38		1518.3							
	OBS	00050	17.27	36.398	26.54		1516.9							
	OBS	00075	17.06	36.417	26.60		1516.7							
	OBS	00100	17.08	36.436	26.61		1517.2							
	OBS	00125	17.09	36.435	26.61		1517.6							
	OBS	00150	17.10	36.439	26.61		1518.0							
	OBS	00200	17.07	36.438	26.62		1518.8							
	OBS	00250	17.05	36.432	26.62		1519.5							
	OBS	00300	17.02	36.414	26.61		1520.2							
	OBS	00400	16.73	36.353	26.63		1520.9							
	OBS	00500	15.88	36.159	26.68		1519.8							
	OBS	00600	14.52	35.900	26.79		1516.8							
	OBS	00700	12.81	35.607	26.92		1512.5							
	OBS	00800	10.65	35.296	27.09		1506.3							
	OBS	00900	08.40	35.098	27.31		1499.4							
	OBS	01000	06.83	35.052	27.50		1494.9							
	OBS	01025	06.33	35.001	27.53		1493.3							
	OBS	01065	06.60	35.153	27.61		1495.2							
	OBS	01100	06.22	35.093	27.62		1494.2							
	OBS	01200	05.58	35.052	27.67		1493.3							
	OBS	01300	05.11	35.040	27.72		1493.0							
	OBS	01400	04.80	35.027	27.74		1493.4							
	OBS	01510	04.55	35.030	27.77		1494.3							

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REFID 31 8097 YEAR 1969 BOTDP 03930 AIR TEMP 15.2 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206
CONSEC 0055 MONTH 05 SHIP EI WET BULB 12.2 34 5 3 WIND-SPD 21 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 09 DATA USE 1 BAROMETR 1024.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 57 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 055 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	18.06	36.364	26.32		1518.3							
	OBS	00010	18.05	36.365	26.32		1518.4							
	OBS	00020	18.05	36.366	26.32		1518.6							
	OBS	00030	18.04	36.365	26.32		1518.7							
	OBS	00050	17.61	36.356	26.42		1517.8							
	OBS	00075	17.15	36.425	26.59		1516.9							
	OBS	00100	17.12	36.428	26.60		1517.3							
	OBS	00125	17.11	36.428	26.60		1517.6							
	OBS	00150	17.11	36.438	26.61		1518.1							
	OBS	00200	17.12	36.436	26.60		1518.9							
	OBS	00250	17.08	36.426	26.61		1519.6							
	OBS	00300	17.09	36.431	26.61		1520.5							
	OBS	00400	16.96	36.404	26.62		1521.7							
	OBS	00500	15.89	36.159	26.68		1519.8							
	OBS	00600	14.91	35.966	26.75		1518.1							
	OBS	00700	12.61	35.568	26.93		1511.8							
	OBS	00800	10.73	35.301	27.08		1506.5							
	OBS	00900	08.58	35.038	27.23		1500.0							
	OBS	01000	06.78	35.011	27.48		1494.7							
	OBS	01100	05.51	35.012	27.64		1491.3							
	OBS	01200	05.22	35.018	27.68		1491.8							
	OBS	01300	05.00	35.019	27.71		1492.6							
	OBS	01400	04.79	35.014	27.73		1493.4							
	OBS	01500	04.52	35.006	27.76		1493.9							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 03930 AIR TEMP 15.4 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1206
CONSEC 0056 MONTH 05 SHIP E1 WET BULB 11.6 32 5 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 10 DATA USE 1 BAROMETR 1023.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 50 W HOUR 05.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 056 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.7	OBS	00000	17.94	36.361	26.35		1518.0							
	OBS	00010	17.94	36.360	26.35		1518.1							
	OBS	00020	17.93	36.360	26.35		1518.2							
	OBS	00030	17.92	36.361	26.35		1518.4							
	OBS	00050	17.22	36.414	26.56		1516.7							
	OBS	00075	17.16	36.419	26.58		1517.0							
	OBS	00100	17.09	36.412	26.59		1517.2							
	OBS	00125	17.10	36.421	26.60		1517.6							
	OBS	00150	17.11	36.431	26.60		1518.1							
	OBS	00200	17.11	36.433	26.60		1518.9							
	OBS	00250	17.11	36.431	26.60		1519.7							
	OBS	00300	17.11	36.433	26.60		1520.5							
	OBS	00400	16.82	36.366	26.62		1521.2							
	OBS	00500	15.86	36.160	26.69		1519.7							
	OBS	00600	14.55	35.897	26.78		1516.9							
	OBS	00665	13.09	35.557	26.82		1512.8							
	OBS	00700	12.61	35.605	26.96		1511.8							
	OBS	00800	10.89	35.330	27.07		1507.2							
	OBS	00846	09.55	35.046	27.08		1502.7							
	OBS	00900	08.59	35.113	27.25		1500.1							
	OBS	01000	06.71	34.955	27.44		1494.3							
	OBS	01100	05.55	34.963	27.60		1491.4							
	OBS	01200	05.01	34.976	27.68		1490.9							
	OBS	01245	05.01	35.026	27.72		1491.7							
	OBS	01300	04.84	34.993	27.71		1491.9							
	OBS	01400	04.66	35.001	27.74		1492.8							
	OBS	01500	04.51	35.016	27.77		1493.9							

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REFID 31 8097 YEAR 1969 BOTDP 04755 AIR TEMP 16.2 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1206
CONSEC 0057 MONTH 05 SHIP E1 WET BULB 12.7 32 5 3 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 10 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 47 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 057 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.82	36.393	26.40		1517.6							
	OBS	00010	17.80	36.390	26.40		1517.7							
	OBS	00020	17.80	36.392	26.40		1517.9							
	OBS	00030	17.79	36.392	26.41		1518.0							
	OBS	00050	17.74	36.386	26.41		1518.2							
	OBS	00075	17.12	36.416	26.59		1516.8							
	OBS	00100	17.08	36.425	26.61		1517.1							
	OBS	00125	17.06	36.426	26.61		1517.5							
	OBS	00150	17.06	36.427	26.61		1517.9							
	OBS	00200	17.04	36.419	26.61		1518.7							
	OBS	00250	17.07	36.430	26.61		1519.6							
	OBS	00300	17.03	36.425	26.62		1520.3							
	OBS	00400	16.79	36.356	26.62		1521.1							
	OBS	00500	15.83	36.167	26.70		1519.6							
	OBS	00600	14.97	35.981	26.75		1518.4							
	OBS	00700	12.81	35.584	26.90		1512.5							
	OBS	00756	11.67	35.417	26.99		1509.3							

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REFID 31 8097 YEAR 1969 BOTDP 02149 AIR TEMP 17.5 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0058 MONTH 05 SHIP E1 WET BULB 13.8 34 5 4 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 10 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 51 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 058 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	OBS	00000	18.27	36.424	26.31		1519.0							
	OBS	00010	18.13	36.404	26.33		1518.7							
	OBS	00020	18.07	36.398	26.34		1518.7							
	OBS	00030	18.02	36.391	26.35		1518.7							
	OBS	00050	17.71	36.465	26.48		1518.2							
	OBS	00075	17.59	36.444	26.50		1518.3							
	OBS	00100	17.40	36.424	26.53		1518.1							
	OBS	00125	17.22	36.407	26.56		1517.9							
	OBS	00150	17.20	36.415	26.57		1518.3							
	OBS	00185	17.02	36.371	26.58		1518.3							
	OBS	00200	17.11	36.430	26.60		1518.9							
	OBS	00250	17.11	36.431	26.60		1519.7							
	OBS	00300	17.01	36.399	26.60		1520.2							
	OBS	00385	16.81	36.360	26.62		1520.9							
	OBS	00400	16.50	36.267	26.62		1520.1							
	OBS	00500	15.46	36.031	26.68		1518.3							
	OBS	00600	14.38	35.859	26.79		1516.3							
	OBS	00700	12.60	35.584	26.94		1511.7							
	OBS	00800	10.95	35.342	27.07		1507.4							
	OBS	00900	09.10	35.173	27.26		1502.1							
	OBS	01000	06.92	35.012	27.46		1495.2							
	OBS	01100	05.59	34.933	27.57		1491.5							
	OBS	01200	05.14	34.994	27.68		1491.4							
	OBS	01300	04.72	34.980	27.71		1491.4							
	OBS	01400	04.59	35.003	27.75		1492.5							
	OBS	01500	04.41	35.012	27.77		1493.5							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTDP 01792	AIR TEMP 16.6	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0059	MONTH 05	SHIP E1	WET BULB 14.4	34 3 4	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 35 11 N	DAY 10	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 48
LONG 048 16 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 059	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.05	36.377	26.33		1518.3							
	OBS	00010	18.04	36.378	26.33		1518.4							
	OBS	00020	18.00	36.378	26.34		1518.5							
	OBS	00030	17.90	36.370	26.36		1518.3							
	OBS	00050	17.54	36.374	26.45		1517.6							
	OBS	00075	17.10	36.424	26.60		1516.8							
	OBS	00100	17.10	36.429	26.60		1517.2							
	OBS	00125	17.10	36.428	26.60		1517.6							
	OBS	00150	17.08	36.429	26.61		1518.0							
	OBS	00200	17.08	36.429	26.61		1518.8							
	OBS	00219	17.08	36.430	26.61		1519.1							

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REFID 31 8097	YEAR 1969	BOTDP 01863	AIR TEMP 17.0	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0060	MONTH 05	SHIP E1	WET BULB 14.6	34 3 4	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 11	DATA USE 1	BAROMETR 1026.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 02 W	HOUR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 060	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.7	OBS	00000	17.88	36.372	26.37		1517.8							
	OBS	00010	17.88	36.372	26.37		1518.0							
	OBS	00020	17.81	36.372	26.39		1517.9							
	OBS	00030	17.78	36.371	26.39		1518.0							
	OBS	00050	17.75	36.372	26.40		1518.2							
	OBS	00075	17.24	36.392	26.54		1517.2							
	OBS	00100	17.11	36.415	26.59		1517.2							
	OBS	00125	17.11	36.422	26.60		1517.6							
	OBS	00150	17.09	36.426	26.60		1518.0							
	OBS	00200	17.07	36.424	26.61		1518.8							
	OBS	00250	17.06	36.428	26.61		1519.6							
	OBS	00300	17.03	36.420	26.61		1520.3							
	OBS	00400	16.81	36.358	26.62		1521.2							
	OBS	00500	16.01	36.195	26.68		1520.2							
	OBS	00600	15.07	36.023	26.76		1518.7							
	OBS	00700	12.97	35.607	26.89		1513.0							
	OBS	00800	10.66	35.258	27.06		1506.2							
	OBS	00822	09.86	35.103	27.08		1503.5							
	OBS	00900	08.41	35.085	27.30		1499.4							
	OBS	01000	06.59	34.938	27.45		1495.8							
	OBS	01100	05.55	34.966	27.60		1494.4							
	OBS	01150	05.30	34.973	27.64		1494.2							
	OBS	01160	05.41	35.013	27.66		1494.9							
	OBS	01180	05.41	35.013	27.66		1495.2							
	OBS	01200	05.21	35.001	27.67		1494.7							
	OBS	01300	04.97	35.015	27.71		1495.4							
	OBS	01400	04.71	35.000	27.73		1496.0							
	OBS	01500	04.59	35.006	27.75		1496.2							

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TABLE VII.–Observed and interpolated oceanographic data for stations taken by USCGC HUMBOLDT at Ocean Station ECHO, 11 May 1969 - 3 June 1969, prepared from NODC listing No. 31 - 1483.

REFID 31 1483 YEAR 1969 BOTDP 03546 AIR TEMP 22.8 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 05 SHIP HU WET BULB 22.2 01 2 3 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 15.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E27 001 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.9	OBS	00000	18.37	36.387	26.26		1519.2							
15.9	OBS	00025	17.83	36.380	26.39		1518.1							
15.9	OBS	00051	17.34	36.423	26.54		1517.1							
15.9	OBS	00076	17.07	36.430	26.61		1516.7							
15.9	OBS	00102	17.07	36.435	26.62		1517.2							
15.9	OBS	00152	17.07	36.435	26.62		1516.0							
15.9	OBS	00203	17.09	36.439	26.61		1518.9							
15.9	OBS	00305	17.05	36.431	26.62		1520.4							
15.9	OBS	T00410	16.88	36.393	26.63		1521.6							
15.9	OBS	T00509	15.85	36.190	26.71		1519.9							
15.9	OBS	00609	14.78	35.998	26.81		1517.9							
15.9	OBS	00811	10.26	35.327	27.18		1505.1							
15.9	OBS	T01012	06.45	35.070	27.57		1493.7							
15.9	OBS	T01517	04.38	34.996	27.76		1493.6							

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REFID 31 1483 YEAR 1969 BOTDP 03621 AIR TEMP 20.5 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 05 SHIP HU WET BULB 20.0 30 1 2 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 12 DATA USE 1 BAROMETR 1030.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.7 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E27 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	18.19	36.398	26.31		1518.7							
12.7	OBS	00025	17.79	36.394	26.41		1518.0							
12.7	OBS	00051	17.12	36.422	26.59		1516.5							
12.7	OBS	00076	17.07	36.425	26.61		1516.7							
12.7	OBS	00102	17.06	36.425	26.61		1517.1							
12.7	OBS	00152	17.08	36.434	26.61		1518.0							
12.7	OBS	T00205	17.08	36.427	26.61		1518.9							
12.7	OBS	00305	17.01	36.420	26.62		1520.3							
12.7	OBS	T00407	16.64	36.333	26.64		1520.8							
12.7	OBS	T00509	15.45	36.093	26.73		1518.5							
12.7	OBS	00609	14.55											
12.7	OBS	00812	10.27	35.313	27.17		1505.1							
12.7	OBS	T01011	06.46	35.085	27.58		1493.7							
12.7	OBS	01523	04.29	34.977	27.76		1493.3							

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REFID 31 1483 YEAR 1969 BOTDP 02834 AIR TEMP 18.9 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 05 SHIP HU WET BULB 16.7 36 1 3 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 15 N DAY 13 DATA USE 1 BAROMETR 1029.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E27 003 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.20	36.416	26.32		1518.8							
12.3	OBS	00025	17.82	36.409	26.41		1518.1							
12.3	OBS	00051	17.44	36.440	26.53		1517.4							
12.3	OBS	00076	17.10	36.467	26.63		1516.9							
12.3	OBS	00102	17.08	36.467	26.64		1517.2							
12.3	OBS	00152	17.07	36.468	26.64		1518.0							
12.3	OBS	T00204	17.09	36.468	26.64		1518.9							
12.3	OBS	00305	16.93	36.436	26.65		1520.1							
12.3	OBS	00406	16.53	36.352	26.68		1520.4							
12.3	OBS	T00510	15.50	36.131	26.75		1518.7							
12.3	OBS	00609	14.22	35.911	26.86		1516.0							
12.3	OBS	00812	09.69	35.294	27.25		1503.0							
12.3	OBS	T01019	05.68	35.026	27.63		1490.6							
12.3	OBS	01523	04.33	35.024	27.79		1493.6							

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TABLE VII.—Continued

REFID 31 1483 YEAR 1969 BOTDP 02926 AIR TEMP 19.4 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 05 SHIP HU WET BULB 18.5 18 1 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 12 N DAY 14 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 16.0 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E27 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.0	OBS	00000	18.30	36.436	26.31		1519.1							
16.0	OBS	00025	17.67	36.434	26.47		1517.7							
16.0	OBS	00050	17.19	36.390	26.55		1516.8							
16.0	OBS	00075	17.16	36.448	26.60		1517.0							
16.0	OBS	00100	17.08	36.467	26.64		1517.2							
16.0	OBS	00146	17.06	36.465	26.64		1517.9							
16.0	OBS	T00191	16.97	36.439	26.64		1518.3							
16.0	OBS	00284	16.54	36.356	26.68		1516.5							
16.0	OBS	T00345	15.93	36.231	26.73		1517.5							
16.0	OBS	T00445	15.43	36.172	26.80		1517.5							
16.0	OBS	00543	14.62	36.090	26.91		1516.4							

REFID 31 1483 YEAR 1969 BOTDP 04266 AIR TEMP 21.7 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 05 SHIP HU WET BULB 20.0 16 1 2 WIND-SPD 02 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E27 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	19.07	36.461	26.14		1521.3							
11.9	OBS	00020	18.28	36.454	26.33		1519.4							
11.9	OBS	00043	17.85	36.447	26.43		1518.5							
11.9	OBS	00064	17.28	36.424	26.56		1517.1							
11.9	OBS	00088	17.09	36.426	26.60		1517.0							
11.9	OBS	00135	17.03	36.420	26.61		1517.6							
11.9	OBS	T00183	16.97	36.410	26.62		1518.2							
11.9	OBS	00278	16.75	36.371	26.64		1519.0							
11.9	OBS	T00370	16.25	36.280	26.69		1518.9							
11.9	OBS	T00463	15.73	36.180	26.73		1518.7							
11.9	OBS	00550	14.50	35.942	26.82		1516.0							
11.9	OBS	00725	11.31	35.474	27.11		1507.6							
11.9	OBS	T00881	08.05	35.152	27.41		1497.8							
11.9	OBS	01238	04.47	35.004	27.76		1489.3							

REFID 31 1483 YEAR 1969 BOTDP 04572 AIR TEMP 20.5 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 05 SHIP HU WET BULB 20.0 18 3 2 WIND-SPD 30 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1013.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 21.0 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 ORIG E27 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.0	OBS	00000	18.40	36.396	26.26		1519.3							
21.0	OBS	00028	18.24	36.401	26.30		1519.3							
21.0	OBS	00054	17.26	36.408	26.55		1516.9							
21.0	OBS	00082	17.09	36.414	26.59		1516.9							
21.0	OBS	00108	17.08	36.416	26.60		1517.3							
21.0	OBS	00164	17.08	36.425	26.61		1518.2							
21.0	OBS	00218	17.09	36.435	26.61		1519.1							
21.0	OBS	00327	16.95	36.402	26.62		1520.5							
21.0	OBS	00436	16.17	36.237	26.68		1519.7							
21.0	OBS	T00550	14.86	36.000	26.79		1517.2							
21.0	OBS	00654	12.76	35.640	26.95		1511.6							
21.0	OBS	00872	07.71	35.135	27.44		1496.3							
21.0	OBS	T01093	05.56	35.053	27.67		1491.4							
21.0	OBS	T01629	04.19	34.985	27.78		1494.7							

REFID 31 1483 YEAR 1969 BOTDP 04389 AIR TEMP 16.6 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 05 SHIP HU WET BULB 11.6 32 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 17 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 13.5 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E27 007 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	17.63	36.378	26.44		1517.1							
13.5	OBS	00024	17.62	36.388	26.45		1517.4							
13.5	OBS	00048	17.09	36.400	26.58		1516.3							
13.5	OBS	00072	17.11	36.419	26.59		1516.8							
13.5	OBS	00097	17.10	36.429	26.60		1517.2							
13.5	OBS	00144	17.09	36.433	26.61		1517.9							
13.5	OBS	T00192	17.07	36.435	26.62		1518.6							
13.5	OBS	00289	16.92	36.404	26.63		1519.7							
13.5	OBS	T00385	16.11	36.221	26.68		1518.7							
13.5	OBS	00481	15.42	36.107	26.75		1518.0							
13.5	OBS	00575	13.66	35.770	26.87		1513.5							
13.5	OBS	00758	10.00	35.295	27.20		1503.2							
13.5	OBS	00939	06.22	35.011	27.55		1491.5							
13.5	OBS	T01410	04.38	34.982	27.75		1491.8							

TABLE VII.—Continued

REFID 31 1483 YEAR 1969 BOTDP 04120 AIR TEMP 16.9 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 05 SHIP HU WET BULB 11.9 33 2 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 18 DATA USE 1 BAROMETR 1037.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 13.6 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E27 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	17.57	36.402	26.47		1516.9							
13.6	OBS	00025		36.402										
13.6	OBS	00051	17.11	36.428	26.60		1516.4							
13.6	OBS	00076	17.07	36.429	26.61		1516.7							
13.6	OBS	00102	17.08	36.431	26.61		1517.2							
13.6	OBS	00151	17.05	36.432	26.62		1517.9							
13.6	OBS	T00202	17.03	36.429	26.62		1518.7							
13.6	OBS	00303	16.95	36.413	26.63		1520.1							
13.6	OBS	T00403	16.93	36.407	26.63		1521.7							
13.6	OBS	00503	15.67	36.156	26.73		1519.2							
13.6	OBS	00601	13.37	35.725	26.90		1512.9							
13.6	OBS	00797	08.91	35.165	27.28		1499.7							
13.6	OBS	T00993	06.26	35.044	27.57		1492.6							
13.6	OBS	01478	04.29	34.976	27.76		1492.6							

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REFID 31 1483 YEAR 1969 BOTDP 04718 AIR TEMP 17.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 05 SHIP HU WET BULB 14.5 01 2 3 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 19 DATA USE 1 BAROMETR 1039.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 13.7 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E27 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	17.68	36.438	26.47		1517.3							
13.7	OBS	00025	17.38	36.434	26.54		1516.8							
13.7	OBS	00051	17.10	36.436	26.61		1516.4							
13.7	OBS	00076	17.08	36.437	26.61		1516.8							
13.7	OBS	00102	17.07	36.436	26.62		1517.2							
13.7	OBS	00152	17.06	36.441	26.62		1518.0							
13.7	OBS	T00203	17.03	36.434	26.62		1518.7							
13.7	OBS	00304	16.97	36.428	26.63		1520.2							
13.7	OBS	T00404	16.90	36.405	26.63		1521.6							
13.7	OBS	T00501	15.61	36.153	26.74		1518.9							
13.7	OBS	00604	13.73	35.800	26.88		1514.2							
13.7	OBS	00803	09.67	35.250	27.22		1502.7							
13.7	OBS	T01005	06.92	35.160	27.58		1495.5							
13.7	OBS	01499	04.32	35.004	27.78		1493.1							
17.7	OBS	T01982	03.77	34.976	27.81		1498.9							
17.7	OBS	T02486	03.40	34.976	27.85		1506.0							
17.7	OBS	02989	02.94	34.947	27.87		1512.6							
17.7	OBS	03493	02.60	34.930	27.89		1519.9							
17.7	OBS	03998	02.33	34.908	27.89		1527.6							
17.7	OBS	T04185	02.35	34.900	27.88		1531.0							
17.7	OBS	04285	02.30	34.898	27.89		1532.5							

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REFID 31 1483 YEAR 1969 BOTDP 04992 AIR TEMP 19.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 05 SHIP HU WET BULB 16.6 WIND-SPD 02 TRACE DIR 5 SQUARE 4
LAT 36 30 N DAY 20 DATA USE 1 BAROMETR 1036.6 SEA WIND-FOR DURATION 2 SQUARE 66
LONG 047 25 W HOUR 23.4 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E27 010 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.4	OBS	00000	19.55	36.522	26.06		1522.7							
23.4	OBS	00025	18.40	36.483	26.32		1519.8							
23.4	OBS	00051	18.20	36.516	26.40		1519.7							
23.4	OBS	00076	17.45	36.433	26.52		1517.9							
23.4	OBS	00102	17.20	36.396	26.55		1517.5							
23.4	OBS	00152	16.95	36.377	26.60		1517.6							
23.4	OBS	T00204	16.91	36.390	26.62		1518.3							
23.4	OBS	00305	16.58	36.321	26.64		1518.9							
23.4	OBS	00406	15.49	36.098	26.73		1516.9							
23.4	OBS	T00509	13.83	35.790	26.85		1513.0							
23.4	OBS	00609	11.62	35.479	27.05		1506.8							
23.4	OBS	00812	08.06	35.135	27.39		1496.7							
23.4	OBS	T01020	05.31	34.985	27.65		1489.1							
23.4	OBS	T01525	04.17	34.972	27.77		1492.9							

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TABLE VII.—Continued

REFID 31 1483 YEAR 1969 BOTDP 04864 AIR TEMP 20.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 05 SHIP HU WET BULB 17.2 06 1 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 33 N DAY 21 DATA USE 1 BAROMETR 1035.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E27 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.25	36.395	26.29		1518.9							
12.2	OBS	00025	17.34	36.396	26.52		1516.7							
12.2	OBS	00051	17.21	36.417	26.57		1516.7							
12.2	OBS	00076	17.09	36.425	26.60		1516.8							
12.2	OBS	00102	17.08	36.418	26.60		1517.2							
12.2	OBS	00152	17.08	36.434	26.61		1518.0							
12.2	OBS	00203	17.06	36.426	26.61		1518.8							
12.2	OBS	00305	16.44	36.304	26.66		1518.4							
12.2	OBS	T00405	15.42	36.090	26.74		1516.7							
12.2	OBS	T00510	13.40	35.724	26.89		1511.5							
12.2	OBS	00607	11.33	35.433	27.07		1505.7							
12.2	OBS	00807	06.93	35.031	27.47		1492.1							
12.2	OBS	T01006	05.10	35.006	27.69		1488.0							
12.2	OBS	T01506	04.04	34.971	27.78		1492.0							

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REFID 31 1483 YEAR 1969 BOTDP 04755 AIR TEMP 20.0 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 05 SHIP HU WET BULB 17.2 07 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 22 DATA USE 1 BAROMETR 1038.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E27 012 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.59	36.441	26.24		1519.9							
12.3	OBS	00025	17.34	36.428	26.54		1516.7							
12.3	OBS	00051	17.14	36.435	26.60		1516.5							
12.3	OBS	00075	17.12	36.407	26.58		1516.8							
12.3	OBS	00101	17.11	36.416	26.59		1517.2							
12.3	OBS	00150	17.08	36.403	26.59		1517.9							
12.3	OBS	T00200	17.07	36.399	26.59		1518.7							
12.3	OBS	00301	17.06	36.429	26.61		1520.4							
12.3	OBS	T00402	17.00	36.416	26.62		1521.9							
12.3	OBS	T00501	15.70	36.115	26.69		1519.2							
12.3	OBS	00601	14.08	35.830	26.83		1515.3							
12.3	OBS	00802	09.06	35.169	27.26		1500.3							
12.3	OBS	T01003	06.04	35.018	27.58		1491.8							
12.3	OBS	01511	04.32	34.971	27.75		1493.2							

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REFID 31 1483 YEAR 1969 BOTDP 01780 AIR TEMP 20.5 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 05 SHIP HU WET BULB 17.7 12 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 11 N DAY 24 DATA USE 1 BAROMETR 1032.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 40 W HOUR 13.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E27 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	18.98	36.470	26.17		1521.0							
13.3	OBS	00025	17.39	36.426	26.53		1516.8							
13.3	OBS	00050	17.20	36.441	26.59		1516.7							
13.3	OBS	00075	17.13	36.434	26.60		1516.9							
13.3	OBS	00100	17.09	36.438	26.61		1517.2							
13.3	OBS	00149	17.08	36.434	26.61		1518.0							
13.3	OBS	T00198	17.06	36.433	26.62		1518.7							
13.3	OBS	00301	16.98	36.423	26.63		1520.1							
13.3	OBS	T00402	16.64	36.335	26.64		1520.7							
13.3	OBS	T00497	15.08	36.032	26.77		1517.1							
13.3	OBS	00599	13.77	35.799	26.87		1514.2							
13.3	OBS	00799	09.24	35.201	27.26		1501.0							
13.3	OBS	T01000	06.29	35.084	27.60		1492.8							
13.3	OBS	T01515	04.28	35.001	27.78		1493.2							

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REFID 31 1483 YEAR 1969 BOTDP 04938 AIR TEMP 20.5 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 05 SHIP HU WET BULB 17.7 14 1 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E27 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	19.12	36.456	26.12		1521.4							
13.9	OBS	00027	17.24	36.425	26.57		1516.4							
13.9	OBS	00053	17.13	36.421	26.59		1516.5							
13.9	OBS	00080	17.07	36.423	26.61		1516.8							
13.9	OBS	00159	17.04	36.429	26.62		1518.0							
13.9	OBS	T00211	17.05	36.433	26.62		1518.9							
13.9	OBS	00318	16.96	36.421	26.63		1520.4							
13.9	OBS	T00426	16.63	36.343	26.65		1521.1							
13.9	OBS	T00530	14.98	36.007	26.77		1517.3							
13.9	OBS	00639	13.88	35.826	26.87		1515.3							
13.9	OBS	00854	08.73	35.152	27.30		1499.9							
13.9	OBS	T01066	06.06	35.100	27.64		1493.1							
13.9	OBS	T01620	04.22	34.996	27.78		1494.7							

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TABLE VII.—Continued

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REFID  31  1483      YEAR 1969     BOTDP 03109     AIR TEMP   21.6     DIR HGT PER      WIND-DIR 19     INST NANSEN CAST      TEN SQ 1206
CONSEC      0015     MONTH  05     SHIP HU         WET BULB   20.5      15  1   2       WIND-SPD 09     TRACE DIR             5 SQUARE  4
LAT    35 06  N     DAY    26     DATA USE  1     BAROMETR 1027.4     SEA              WIND-FOR        DURATION              2 SQUARE 46
LONG  047 50  W     HOUR 12.1     AREA      05    CLOUD T/A   3/8     CL/TR            WEATHER  X1     ORIG E27 015          1 SQUARE 57

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    P04   TOT P   NO2   NO3   SIO3   PH

        12.1   OBS      00000     19.42    36.450     26.04               1522.2
        12.1   OBS      00026     17.42    36.420     26.52               1516.9
        12.1   OBS      00051     17.17    36.405     26.57               1516.6
        12.1   OBS      00077     17.14    36.413     26.58               1516.9
        12.1   OBS      00102     17.09    36.425     26.60               1517.2
        12.1   OBS      00154     17.09    36.427     26.60               1518.1
        12.1   OBS      T00205    17.07    36.431     26.61               1518.8
        12.1   OBS      00307     16.99    36.421     26.62               1520.3
        12.1   OBS      T00409    16.80    36.363     26.62               1521.3
        12.1   OBS      T00512    15.44    36.127     26.76               1518.6
        12.1   OBS      00614     13.90    35.833     26.87               1515.0
        12.1   OBS      00819     09.67    35.249     27.22               1503.0
        12.1   OBS      T01028    06.24    35.055     27.59               1495.1
        12.1   OBS      T01567    04.27    34.983     27.77               1494.0

REFID  31  1483      YEAR 1969     BOTDP 04370     AIR TEMP   21.6     DIR HGT PER      WIND-DIR 16     INST NANSEN CAST      TEN SQ 1206
CONSEC      0016     MONTH  05     SHIP HU         WET BULB   20.5      16  2   2       WIND-SPD 04     TRACE DIR             5 SQUARE  2
LAT    34 57  N     DAY    27     DATA USE  1     BAROMETR 1026.1     SEA              WIND-FOR        DURATION              2 SQUARE 46
LONG  047 52  W     HOUR 16.7     AREA      05    CLOUD T/A   3/8     CL/TR            WEATHER  X1     ORIG E27 016          1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    P04   TOT P   NO2   NO3   SIO3   PH

        16.7   OBS      00000     19.74    36.444     25.95               1523.1
        16.7   OBS      00027     17.34    36.402     26.52               1516.7
        16.7   OBS      00053     17.18    36.409     26.57               1516.7
        16.7   OBS      00080     17.11    36.417     26.59               1516.9
        16.7   OBS      00105     17.08    36.418     26.60               1517.2
        16.7   OBS      00159     17.04    36.422     26.61               1518.0
        16.7   OBS      T00212    17.01    36.422     26.62               1518.8
        16.7   OBS      00317     16.96    36.404     26.62               1520.3
        16.7   OBS      T00425    16.53    36.311     26.65               1520.7
        16.7   OBS      T00528    15.35    36.095     26.75               1518.5
        16.7   OBS      00634     14.28    35.795     26.76               1516.5
        16.7   OBS      00847     09.09    35.198     27.28               1501.2
        16.7   OBS      T01062    06.01    35.040     27.60               1492.7
        16.7   OBS      T01614    04.20    34.977     27.77               1494.5

REFID  31  1483      YEAR 1969     BOTDP 04617     AIR TEMP   20.0     DIR HGT PER      WIND-DIR 23     INST NANSEN CAST      TEN SQ 1206
CONSEC      0017     MONTH  05     SHIP HU         WET BULB   19.4      20  2   2       WIND-SPD 12     TRACE DIR             5 SQUARE  2
LAT    34 56  N     DAY    28     DATA USE  1     BAROMETR 1020.7     SEA              WIND-FOR        DURATION              2 SQUARE 46
LONG  047 47  W     HOUR 19.8     AREA      05    CLOUD T/A   3/8     CL/TR            WEATHER  X2     ORIG E27 017          1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    P04   TOT P   NO2   NO3   SIO3   PH

        19.8   OBS      00000     19.71    36.453     25.96               1523.0
        19.8   OBS      00025     17.48    36.414     26.50               1517.1
        19.8   OBS      00050     17.13    36.415     26.59               1516.5
        19.8   OBS      00076     17.12    36.412     26.59               1516.9
        19.8   OBS      00101     17.07    36.413     26.60               1517.1
        19.8   OBS      00152     17.05    36.409     26.60               1517.9
        19.8   OBS      T00202    17.05    36.416     26.61               1518.7
        19.8   OBS      00303     16.96    36.406     26.62               1520.1
        19.8   OBS      T00407    16.74    36.355     26.63               1521.1
        19.8   OBS      T00507    15.51    36.123     26.74               1518.7
        19.8   OBS      00609     14.02    35.842     26.85               1515.3
        19.8   OBS      00816     10.04    35.286     27.19               1504.3
        19.8   OBS      T01025    06.12    35.042     27.59               1492.5
        19.8   OBS      T01565    04.34    34.998     27.77               1494.3

REFID  31  1483      YEAR 1969     BOTDP 03865     AIR TEMP   18.6     DIR HGT PER      WIND-DIR 15     INST NANSEN CAST      TEN SQ 1206
CONSEC      0018     MONTH  05     SHIP HU         WET BULB   18.1      16  3   2       WIND-SPD 28     TRACE DIR             5 SQUARE  4
LAT    35 12  N     DAY    29     DATA USE  1     BAROMETR 1012.9     SEA              WIND-FOR        DURATION              2 SQUARE 46
LONG  047 55  W     HOUR 17.2     AREA      05    CLOUD T/A   5/8     CL/TR            WEATHER  X6     ORIG E27 018          1 SQUARE 57

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    P04   TOT P   NO2   NO3   SIO3   PH

        17.2   OBS      00000     19.45    36.436     26.02               1522.3
        17.2   OBS      00028     18.07    36.410     26.35               1518.8
        17.2   OBS      00053     17.36    36.411     26.53               1517.2
        17.2   OBS      00078     17.19    36.410     26.57               1517.1
        17.2   OBS      00104     17.18    36.411     26.57               1517.5
        17.2   OBS      00151     17.09    36.415     26.60               1518.0
        17.2   OBS      T00197    17.05    36.402     26.59               1518.6
        17.2   OBS      00277     17.06    36.433     26.62               1520.0
        17.2   OBS      00359     16.98    36.401     26.61               1521.1
        17.2   OBS      T00451    16.25    36.232     26.65               1520.2
        17.2   OBS      00548     14.51    35.923     26.81               1516.0
        17.2   OBS      00774     09.67    35.227     27.20               1502.2
        17.2   OBS      T01008    06.65    35.103     27.57               1494.4
        17.2   OBS      01601     04.25    34.986     27.77               1494.5
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TABLE VIII.--Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 3 June 1969 - 26 June 1969, prepared from NODC listing No. 31 - 8106.

REFID 31 8106	YEAR 1969	BOTDP 02468	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 06	SHIP AI	WET BULB 15.0	36 1 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 04	DATA USE 1	BAROMETR 1027.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 03 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.26	36.480	26.10		1521.8							
	OBS	00010	19.25	36.481	26.11		1522.0							
	OBS	00020	19.22	36.480	26.11		1522.1							
	OBS	00030	17.87	36.387	26.38		1518.3							
	OBS	00050	17.61	36.457	26.50		1517.9							
	OBS	00075	17.32	36.460	26.57		1517.5							
	OBS	00100	17.21	36.449	26.59		1517.6							
	OBS	00125	17.19	36.449	26.60		1517.9							
	OBS	00150	17.13	36.448	26.61		1518.1							
	OBS	00200	17.06	36.441	26.62		1518.7							
	OBS	00250	17.07	36.445	26.62		1519.6							
	OBS	00300	17.09	36.456	26.63		1520.5							
	OBS	00400	17.01	36.421	26.62		1521.9							
	OBS	00500	16.72	36.367	26.65		1522.6							
	OBS	00600	15.39	36.104	26.75		1519.8							
	OBS	00700	13.06	35.712	26.95		1513.5							
	OBS	00800	10.35	35.366	27.18		1505.2							
	OBS	00900	08.59	35.180	27.34		1500.2							
	OBS	01000	06.57	35.052	27.54		1495.9							
	OBS	01038	06.50	35.073	27.57		1496.3							
	OBS	01070	05.55	35.024	27.65		1491.0							
	OBS	01100	05.39	35.035	27.68		1490.8							
	OBS	01200	04.97	35.032	27.73		1490.8							
	OBS	01300	04.87	35.043	27.75		1492.1							
	OBS	01400	04.52	35.028	27.77		1492.3							
	OBS	01500	04.37	35.030	27.79		1493.3							

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REFID 31 810b	YEAR 1969	BOTDP 04480	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 06	SHIP AI	WET BULB 17.2	04 2 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 05 N	DAY 04	DATA USE 1	BAROMETR 1027.0	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 22 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	P
18.0	OBS	00000	19.40	36.458	26.05		1522.2							
	OBS	00010	19.16	36.460	26.11		1521.7							
	OBS	00020	18.65	36.464	26.25		1520.4							
	OBS	00030	17.93	36.466	26.43		1518.5							
	OBS	00050	17.57	36.474	26.52		1517.8							
	OBS	00075	17.33	36.464	26.57		1517.5							
	OBS	00100	17.24	36.458	26.59		1517.7							
	OBS	00125	17.22	36.459	26.60		1518.0							
	OBS	00150	17.17	36.459	26.61		1518.3							
	OBS	00200	17.08	36.454	26.63		1518.8							
	OBS	00250	17.04	36.457	26.64		1519.5							
	OBS	00300	17.03	36.459	26.64		1520.3							
	OBS	00400	16.97	36.445	26.65		1521.8							
	OBS	00500	16.57	36.349	26.67		1522.1							
	OBS	00600	15.23	36.102	26.79		1519.3							
	OBS	00700	13.31	35.769	26.94		1514.6							
	OBS	00800	11.49	35.488	27.08		1509.5							
	OBS	00900	08.52	35.196	27.37		1500.0							
	OBS	01000	06.74	35.080	27.54		1494.6							
	OBS	01100	05.55	35.064	27.68		1491.5							
	OBS	01200	05.15	35.069	27.73		1491.6							
	OBS	01300	04.75	35.069	27.78		1491.6							
	OBS	01400	04.46	35.062	27.81		1492.1							
	OBS	01500	04.33	35.056	27.82		1493.2							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1965 BOTDP 02195 AIR TEMP 18.3 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 06 SHIP AI WET BULB 15.0 03 3 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
LAT 35 04 N DAY 05 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 04 W HOUR 12.0 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E28 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.37	36.476	26.07		1522.1							
	OBS	00010	19.31	36.480	26.09		1522.1							
	OBS	00020	18.56	36.422	26.24		1520.1							
	OBS	00030	17.63	36.442	26.48		1517.6							
	OBS	00050	17.39	36.445	26.55		1517.3							
	OBS	00075	17.26	36.461	26.59		1517.3							
	OBS	00100	17.20	36.459	26.60		1517.5							
	OBS	00125	17.17	36.452	26.60		1517.9							
	OBS	00150	17.11	36.454	26.62		1518.1							
	OBS	00200	17.12	36.463	26.62		1519.0							
	OBS	00250	17.12	36.474	26.63		1519.8							
	OBS	00300	17.13	36.479	26.63		1520.6							
	OBS	00400	17.13	36.484	26.64		1522.3							
	OBS	00500	16.99	36.491	26.68		1523.5							
	OBS	00550	16.37	36.340	26.71		1522.3							
	OBS	00600	15.48	36.138	26.76		1520.1							
	OBS	00700	13.54	35.800	26.92		1515.2							
	OBS	00800	11.22	35.449	27.10		1508.5							
	OBS	00900	08.89	35.230	27.34		1501.4							
	OBS	01000	06.85	35.079	27.52		1495.1							
	OBS	01100	05.59	35.078	27.66		1491.7							
	OBS	01200	05.14	35.074	27.74		1491.5							
	OBS	01300	04.75	35.062	27.77		1491.6							
	OBS	01400	04.61	35.053	27.78		1492.7							
	OBS	01500	04.18	35.038	27.82		1492.6							

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REFID 31 8106 YEAR 1965 BOTDP 03658 AIR TEMP 21.7 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 06 SHIP AI WET BULB 17.8 08 1 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 35 02 N DAY 05 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 13 W HOUR 17.9 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E28 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	19.38	36.460	26.06		1522.1							
	OBS	00010	19.22	36.460	26.10		1521.9							
	OBS	00020	19.15	36.460	26.12		1521.8							
	OBS	00030	18.19	36.443	26.35		1519.3							
	OBS	00050	17.66	36.461	26.49		1518.1							
	OBS	00075	17.50	36.466	26.53		1518.0							
	OBS	00100	17.22	36.452	26.59		1517.6							
	OBS	00125	17.19	36.452	26.60		1517.9							
	OBS	00150	17.17	36.456	26.61		1518.3							
	OBS	00200	17.15	36.462	26.62		1519.0							
	OBS	00250	17.12	36.465	26.63		1519.8							
	OBS	00300	17.14	36.471	26.63		1520.7							
	OBS	00400	17.09	36.469	26.64		1522.2							
	OBS	00500	16.98	36.457	26.65		1523.5							
	OBS	00550	16.56	36.344	26.67		1522.9							
	OBS	00600	15.62	36.126	26.72		1520.6							
	OBS	00700	13.60	35.814	26.92		1515.4							
	OBS	00800	11.18	35.464	27.12		1508.3							
	OBS	00900	09.08	35.242	27.31		1502.1							
	OBS	01000	07.05	35.115	27.52		1495.9							
	OBS	01100	05.87	35.102	27.67		1492.9							
	OBS	01200	04.98	35.058	27.74		1490.9							
	OBS	01300	04.70	35.061	27.78		1491.4							
	OBS	01400	04.43	35.061	27.81		1492.0							
	OBS	01500	04.26	35.050	27.82		1492.9							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BOTDP 03109 AIR TEMP 20.0 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 06 SHIP AI WET BULB 17.6 07 2 4 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 12 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.35	36.449	26.06		1522.0							
	OBS	00010	19.16	36.454	26.11		1521.7							
	OBS	00020	18.11	36.422	26.35		1518.8							
	OBS	00030	17.62	36.424	26.47		1517.6							
	OBS	00050	17.46	36.438	26.52		1517.5							
	OBS	00075	17.33	36.437	26.55		1517.5							
	OBS	00100	17.22	36.426	26.57		1517.6							
	OBS	00125	17.19	36.429	26.58		1517.9							
	OBS	00150	17.18	36.437	26.59		1518.3							
	OBS	00200	17.16	36.449	26.60		1519.1							
	OBS	00250	17.14	36.456	26.61		1519.8							
	OBS	00300	17.13	36.461	26.62		1520.6							
	OBS	00400	17.10	36.465	26.63		1522.2							
	OBS	00500	16.90	36.435	26.66		1523.2							
	OBS	00600	15.58	36.164	26.76		1520.5							
	OBS	00650	14.80	36.047	26.84		1518.7							
	OBS	00700	13.70	35.811	26.85		1515.7							
	OBS	00800	10.69	35.397	27.16		1506.5							
	OBS	00900	08.59	35.208	27.37		1500.2							
	OBS	01000	06.96	35.093	27.52		1495.5							
	OBS	01020	06.46	35.077	27.57		1493.8							
	OBS	01094	06.14	35.152	27.68		1493.9							
	OBS	01100	05.62	35.082	27.69		1491.8							
	OBS	01200	04.96	35.062	27.75		1490.8							
	OBS	01300	04.66	35.050	27.78		1491.2							
	OBS	01400	04.39	35.045	27.80		1491.8							
	OBS	01500	04.28	35.040	27.81		1493.0							

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REFID 31 8106 YEAR 1969 BOTDP 04480 AIR TEMP 24.4 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 06 SHIP AI WET BULB 20.6 09 1 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 06 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 15 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	19.46	36.456	26.03		1522.4							
	OBS	00010	19.21	36.459	26.10		1521.8							
	OBS	00020	19.19	36.461	26.11		1521.9							
	OBS	00030	18.60	36.416	26.22		1520.4							
	OBS	00050	17.94	36.446	26.41		1518.9							
	OBS	00075	17.41	36.450	26.54		1517.7							
	OBS	00100	17.29	36.447	26.57		1517.8							
	OBS	00125	17.23	36.443	26.58		1518.0							
	OBS	00150	17.20	36.443	26.59		1518.3							
	OBS	00200	17.18	36.448	26.60		1519.1							
	OBS	00250	17.14	36.457	26.62		1519.8							
	OBS	00300	17.16	36.462	26.61		1520.7							
	OBS	00400	17.05	36.452	26.63		1522.0							
	OBS	00500	17.00	36.456	26.65		1523.5							
	OBS	00600	15.70	36.133	26.70		1520.8							
	OBS	00700	13.57	35.782	26.90		1515.2							
	OBS	00800	11.20	35.443	27.10		1508.4							
	OBS	00900	09.38	35.257	27.28		1503.3							
	OBS	00950	08.15	35.164	27.40		1499.4							
	OBS	00980	07.47	35.115	27.46		1497.2							
	OBS	01000	07.37	35.143	27.50		1497.2							
	OBS	01010	07.36	35.140	27.50		1497.3							
	OBS	01070	05.96	35.050	27.62		1492.7							
	OBS	01100	05.88	35.073	27.65		1492.9							
	OBS	01200	05.03	35.046	27.73		1491.0							
	OBS	01300	04.64	35.043	27.77		1491.1							
	OBS	01400	04.42	35.049	27.80		1491.9							
	OBS	01500	04.26	35.040	27.81		1492.9							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BGTDP 01280	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 06	SHIP AI	WET BULB 17.2	06 1 3	WIND-SPD 10	TRACE DIR D	9 SQUARE 4
LAT 35 09 N	DAY 07	DATA USE 1	BAROMETR 1027.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 06 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	DRIG E28 007	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.44	36.473	26.05		1522.3							
	OBS	00010	19.23	36.477	26.11		1521.9							
	OBS	00020	19.15	36.476	26.13		1521.9							
	OBS	00030	17.74	36.416	26.44		1517.9							
	OBS	00050	17.26	36.446	26.58		1516.9							
	OBS	00075	17.19	36.453	26.60		1517.1							
	OBS	00100	17.16	36.452	26.61		1517.4							
	OBS	00125	17.11	36.456	26.62		1517.7							
	OBS	00150	17.13	36.460	26.62		1518.2							
	OBS	00200	17.10	36.468	26.63		1518.9							
	OBS	00250	17.10	36.475	26.64		1519.7							
	OBS	00300	17.12	36.480	26.64		1520.6							
	OBS	00400	17.07	36.484	26.65		1522.1							
	OBS	00500	16.91	36.486	26.69		1523.3							
	OBS	00550	16.07	36.314	26.76		1521.4							
	OBS	00600	15.22	36.119	26.80		1519.3							
	OBS	00700	13.31	35.762	26.94		1514.4							
	OBS	00750	12.56	35.683	27.03		1512.6							
	OBS	00800	11.00	35.455	27.15		1507.7							
	OBS	00900	08.57	35.168	27.34		1500.1							
	OBS	01000	07.25	35.124	27.50		1496.7							
	OBS	01100	05.72	35.075	27.67		1492.2							
	OBS	01200	05.15	35.070	27.73		1491.6							

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REFID 31 8106	YEAR 1969	BGTDP 03566	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 06	SHIP AI	WET BULB 20.0	10 1 3	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 07	DATA USE 1	BAROMETR 1026.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 13 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TP	WEATHER X2	DRIG E28 008	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	19.44	36.484	26.06		1522.3							
	OBS	00010	19.06	36.477	26.15		1521.4							
	OBS	00020	18.04	36.445	26.39		1518.7							
	OBS	00030	17.38	36.460	26.56		1516.9							
	OBS	00050	17.26	36.466	26.59		1516.9							
	OBS	00075	17.21	36.468	26.61		1517.2							
	OBS	00100	17.12	36.457	26.62		1517.3							
	OBS	00125	17.11	36.459	26.62		1517.7							
	OBS	00150	17.08	36.462	26.63		1518.0							
	OBS	00200	17.14	36.486	26.64		1519.0							
	OBS	00250	17.14	36.490	26.64		1519.9							
	OBS	00300	17.16	36.492	26.64		1520.7							
	OBS	00400	17.12	36.494	26.65		1522.3							
	OBS	00500	17.00	36.472	26.66		1523.5							
	OBS	00550	16.62	36.358	26.68		1523.1							
	OBS	00600	15.87	36.200	26.72		1521.4							
	OBS	00700	13.82	35.847	26.90		1516.1							
	OBS	00800	11.68	35.477	27.04		1510.1							
	OBS	00850	10.02	35.335	27.23		1504.9							
	OBS	00900	09.15	35.238	27.30		1502.4							
	OBS	01000	06.93	35.102	27.53		1495.4							
	OBS	01045	06.60	35.044	27.53		1494.8							
	OBS	01100	05.55	35.058	27.68		1491.5							
	OBS	01200	05.07	35.078	27.75		1491.3							
	OBS	01300	04.77	35.065	27.77		1491.7							
	OBS	01400	04.52	35.061	27.80		1492.3							
	OBS	01500	04.31	35.059	27.82		1493.1							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 04206	AIR TEMP 21.7	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 06	SHIP AI	WET BULB 20.0	14 1 3	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 08	DATA USE 1	BAROMETR 1024.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 009	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.47	36.454	26.03		1522.4							
	OBS	00010	19.40	36.455	26.05		1522.4							
	OBS	00020	19.29	36.456	26.08		1522.2							
	OBS	00030	18.96	36.429	26.14		1521.4							
	OBS	00050	17.64	36.416	26.46		1518.0							
	OBS	00075	17.34	36.432	26.55		1517.5							
	OBS	00100	17.22	36.422	26.57		1517.6							
	OBS	00125	17.20	36.422	26.57		1517.9							
	OBS	00150	17.14	36.422	26.59		1518.1							
	OBS	00200	17.09	36.424	26.60		1518.8							
	OBS	00250	17.08	36.427	26.61		1519.6							
	OBS	00300	17.09	36.429	26.61		1520.5							
	OBS	00400	16.99	36.397	26.61		1521.8							
	OBS	00500	16.27	36.252	26.66		1521.1							
	OBS	00600	15.09	36.038	26.77		1518.8							
	OBS	00650	14.71	35.974	26.80		1518.3							
	OBS	00700	13.37	35.721	26.89		1514.5							
	OBS	00750	12.52	35.601	26.97		1512.3							
	OBS	00800	11.05	35.405	27.10		1507.8							
	OBS	00850	09.97	35.287	27.20		1504.6							
	OBS	00900	08.95	35.163	27.27		1501.5							
	OBS	01000	06.93	35.052	27.49		1495.3							
	OBS	01100	06.39	35.163	27.65		1495.0							
	OBS	01150	06.13	35.128	27.66		1494.8							
	OBS	01200	05.33	35.040	27.69		1492.3							
	OBS	01300	04.91	35.035	27.73		1492.2							
	OBS	01400	04.54	35.020	27.76		1492.3							
	OBS	01500	04.38	35.015	27.78		1493.4							

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REFID 31 8106	YEAR 1969	BOTDP 03383	AIR TEMP 23.9	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 06	SHIP AI	WET BULB 21.1	14 1 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 08	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 57 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 010	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	20.02	36.442	25.87		1523.9							
	OBS	00010	19.40	36.460	26.05		1522.4							
	OBS	00020	18.63	36.441	26.23		1520.3							
	OBS	00030	17.82	36.441	26.44		1518.2							
	OBS	00050	17.46	36.442	26.53		1517.5							
	OBS	00075	17.34	36.440	26.55		1517.5							
	OBS	00100	17.22	36.425	26.57		1517.6							
	OBS	00125	17.21	36.436	26.58		1518.0							
	OBS	00150	17.15	36.426	26.59		1518.2							
	OBS	00200	17.12	36.444	26.61		1518.9							
	OBS	00250	17.10	36.449	26.62		1519.7							
	OBS	00300	17.10	36.450	26.62		1520.5							
	OBS	00400	17.11	36.449	26.62		1522.2							
	OBS	00500	16.78	36.353	26.62		1522.7							
	OBS	00600	15.55	36.095	26.71		1520.3							
	OBS	00700	14.04	35.809	26.82		1516.8							
	OBS	00800	12.00	35.470	26.97		1511.2							
	OBS	00850	10.78	35.328	27.09		1507.6							
	OBS	00900	09.15	35.205	27.27		1502.3							
	OBS	00950	08.45	35.149	27.34		1500.5							
	OBS	00980	07.97	35.110	27.38		1499.1							
	OBS	01000	07.39	35.093	27.46		1497.2							
	OBS	01100	05.94	35.034	27.61		1493.0							
	OBS	01200	05.17	35.030	27.70		1491.6							
	OBS	01300	05.02	35.032	27.72		1492.7							
	OBS	01400	04.66	35.027	27.76		1492.9							
	OBS	01500	04.38	35.014	27.78		1493.4							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 05303	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 06	SHIP AI	WET BULB 20.0	16 1 3	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 35 09 N	DAY 09	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 55 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 011	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.94	36.471	25.92		1523.7							
	OBS	00010	19.52	36.454	26.01		1522.7							
	OBS	00020	19.34	36.454	26.06		1522.4							
	OBS	00030	18.82	36.394	26.15		1521.0							
	OBS	00050	17.63	36.453	26.45		1516.0							
	OBS	00075	17.28	36.446	26.57		1517.4							
	OBS	00100	17.21	36.436	26.58		1517.5							
	OBS	00125	17.15	36.437	26.60		1517.8							
	OBS	00150	17.12	36.438	26.61		1518.1							
	OBS	00200	17.17	36.458	26.61		1519.1							
	OBS	00250	17.17	36.459	26.61		1519.9							
	OBS	00300	17.17	36.460	26.61		1520.7							
	OBS	00400	17.09	36.458	26.63		1522.1							
	OBS	00500	16.81	36.378	26.63		1522.9							
	OBS	00550	16.30	36.216	26.63		1521.9							
	OBS	00600	14.98	36.017	26.78		1518.4							
	OBS	00650	14.41	35.935	26.84		1517.3							
	OBS	00700	13.58	35.772	26.89		1515.3							
	OBS	00750	12.38	35.578	26.98		1511.8							
	OBS	00800	11.04	35.420	27.11		1507.8							
	OBS	00900	08.73	35.195	27.33		1500.8							
	OBS	01000	06.82	35.066	27.52		1494.9							
	OBS	01050	06.31	35.059	27.58		1493.7							
	OBS	01060	06.39	35.128	27.62		1494.3							
	OBS	01075	06.34	35.114	27.62		1494.3							
	OBS	01100	05.94	35.080	27.64		1493.1							
	OBS	01125	05.95	35.081	27.64		1493.6							
	OBS	01130	05.77	35.102	27.68		1493.0							
	OBS	01150	05.92	35.158	27.71		1494.0							
	OBS	01200	05.74	35.145	27.72		1494.1							
	OBS	01300	04.90	35.039	27.74		1492.2							
	OBS	01400	04.72	35.040	27.76		1493.1							
	OBS	01500	04.53	35.043	27.78		1494.0							

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REFID 31 8106	YEAR 1969	BOTDP 04297	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0012	MONTH 06	SHIP AI	WET BULB 20.6	18 1 3	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 09	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 57 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 012	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	20.24	36.420	25.80		1524.4							
	OBS	00010	19.86	36.425	25.90		1523.6							
	OBS	00020	19.25	36.406	26.05		1522.0							
	OBS	00030	18.22	36.423	26.32		1519.3							
	OBS	00050	17.62	36.432	26.46		1517.9							
	OBS	00075	17.44	36.443	26.53		1517.8							
	OBS	00100	17.40	36.443	26.54		1518.1							
	OBS	00125	17.25	36.426	26.57		1516.1							
	OBS	00150	17.21	36.425	26.57		1518.4							
	OBS	00200	17.19	36.430	26.58		1519.1							
	OBS	00250	17.19	36.445	26.59		1520.0							
	OBS	00300	17.20	36.450	26.60		1520.8							
	OBS	00400	17.13	36.451	26.61		1522.3							
	OBS	00500	16.80	36.375	26.63		1522.8							
	OBS	00600	15.24	36.056	26.75		1519.3							
	OBS	00700	13.48	35.740	26.86		1514.9							
	OBS	00750	12.39	35.602	27.00		1511.9							
	OBS	00800	10.58	35.344	27.14		1506.1							
	OBS	00900	08.82	35.161	27.29		1501.1							
	OBS	01000	06.84	35.050	27.50		1495.0							
	OBS	01100	06.40	35.151	27.64		1495.0							
	OBS	01120	06.33	35.145	27.64		1495.1							
	OBS	01200	05.35	35.036	27.68		1492.3							
	OBS	01300	04.86	35.015	27.72		1492.0							
	OBS	01400	04.70	35.017	27.74		1493.0							
	OBS	01500	04.50	35.023	27.77		1493.9							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 04866	AIR TEMP 23.9	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1206
CONSEC 0013	MONTH 06	SHIP AI	WET BULB 20.6	24 0 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 15	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 03.4	2 SQUARE 48
LONG 048 00 W	HOUR 19.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 013	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.7	OBS	00000	22.36	36.753	25.47		1530.4							
	OBS	00010	21.54	36.761	25.70		1528.4							
	OBS	00020	21.28	36.752	25.77		1527.9							
	OBS	00030	21.22	36.752	25.78		1527.9							
	OBS	00050	19.99	36.511	25.93		1524.7							
	OBS	00075	18.37	36.454	26.31		1520.5							
	OBS	00100	18.25	36.557	26.42		1520.7							
	OBS	00125	17.97	36.516	26.46		1520.3							
	OBS	00150	17.61	36.475	26.51		1519.6							
	OBS	00200	17.23	36.396	26.55		1519.2							
	OBS	00250	16.96	36.354	26.58		1519.2							
	OBS	00300	16.80	36.342	26.61		1519.5							
	OBS	00350	16.64	36.326	26.63		1519.8							
	OBS	00400	16.35	36.286	26.67		1519.7							
	OBS	00500	15.66	36.152	26.73		1519.1							
	OBS	00550	14.62	35.948	26.80		1516.4							
	OBS	00600	13.83	35.823	26.88		1514.5							
	OBS	00650	13.19	35.713	26.92		1513.1							
	OBS	00700	12.16	35.577	27.02		1510.2							
	OBS	00724	11.86	35.543	27.06		1509.6							
	OBS	00750	10.90	35.389	27.12		1506.4							
	OBS	00800	10.05	35.351	27.24		1504.2							
	OBS	00850	09.49	35.340	27.32		1502.9							
	OBS	00900	08.42	35.235	27.41		1499.6							
	OBS	00914	07.85	35.116	27.41		1497.6							
	OBS	00926	08.17	35.256	27.47		1499.2							
	OBS	01000	07.35	35.184	27.53		1497.1							
	OBS	01100	06.66	35.212	27.65		1496.1							
	OBS	01130	06.57	35.232	27.68		1496.3							
	OBS	01150	05.72	35.080	27.67		1493.1							
	OBS	01200	05.43	35.094	27.72		1492.7							
	OBS	01300	05.32	35.120	27.75		1494.0							
	OBS	01400	04.71	35.081	27.79		1493.1							
	OBS	01500	04.28	35.032	27.80		1493.0							

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REFID 31 8106	YEAR 1969	BOTDP 04389	AIR TEMP 21.7	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1206
CONSEC 0014	MONTH 06	SHIP AI	WET BULB 18.9	25 0 2	WIND-SPD 07	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 16	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 56 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 014	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.89	36.656	25.53		1529.1							
	OBS	00010	21.68	36.664	25.59		1528.7							
	OBS	00020	21.33	36.700	25.71		1528.0							
	OBS	00030	21.30	36.730	25.75		1528.1							
	OBS	00050	19.24	36.470	26.10		1522.6							
	OBS	00075	18.43	36.408	26.26		1520.6							
	OBS	00100	17.35	36.410	26.53		1517.9							
	OBS	00125	16.95	36.339	26.57		1517.1							
	OBS	00150	17.10	36.422	26.60		1518.0							
	OBS	00200	17.12	36.439	26.61		1518.9							
	OBS	00250	17.05	36.440	26.62		1519.5							
	OBS	00300	17.03	36.431	26.62		1520.3							
	OBS	00400	16.59	36.328	26.65		1520.5							
	OBS	00500	15.70	36.164	26.73		1519.2							
	OBS	00600	14.57	35.934	26.80		1517.0							
	OBS	00700	12.88	35.651	26.94		1512.8							
	OBS	00800	10.78	35.406	27.15		1506.9							
	OBS	00820	10.06	35.244	27.15		1504.4							
	OBS	00900	08.89	35.248	27.35		1501.4							
	OBS	00950	07.80	35.135	27.43		1498.0							
	OBS	00990	07.55	35.170	27.49		1497.7							
	OBS	01000	07.07	35.100	27.51		1495.9							
	OBS	01020	07.16	35.204	27.58		1496.8							
	OBS	01060	06.56	35.134	27.61		1495.0							
	OBS	01100	06.24	35.109	27.63		1494.3							
	OBS	01200	05.17	35.006	27.68		1491.6							
	OBS	01300	04.92	35.012	27.72		1492.2							
	OBS	01400	04.67	35.010	27.74		1492.9							
	OBS	01500	04.49	35.007	27.76		1493.8							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 04755	AIR TEMP 26.7	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 06	SHIP AI	WET BULB 21.7	18 0 3	WIND-SPD 06	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 16	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 05 W	HOUR 18.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 015	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.4	OBS	00000	22.42	36.705	25.41		1530.5							
	OBS	00010	21.61	36.703	25.64		1528.6							
	OBS	00020	21.22	36.696	25.76		1527.6							
	OBS	00030	20.44	36.531	25.68		1525.1							
	OBS	00050	19.12	36.467	26.13		1522.2							
	OBS	00075	17.83	36.478	26.46		1519.0							
	OBS	00100	17.39	36.460	26.56		1518.1							
	OBS	00125	17.22	36.463	26.60		1518.0							
	OBS	00150	17.13	36.469	26.63		1518.2							
	OBS	00200	17.14	36.492	26.64		1519.0							
	OBS	00250	17.08	36.493	26.66		1519.7							
	OBS	00300	17.03	36.483	26.66		1520.4							
	OBS	00400	16.69	36.408	26.65		1520.9							
	OBS	00500	15.75	36.220	26.76		1519.4							
	OBS	00600	14.92	36.058	26.82		1518.3							
	OBS	00700	12.60	35.649	26.99		1511.8							
	OBS	00800	10.36	35.412	27.22		1505.4							
	OBS	00900	08.33	35.210	27.41		1499.3							
	OBS	00930	08.23	35.292	27.49		1499.5							
	OBS	01000	07.33	35.212	27.56		1497.1							
	OBS	01060	06.84	35.202	27.62		1496.2							
	OBS	01100	06.74	35.253	27.67		1496.5							
	OBS	01170	05.65	35.108	27.70		1493.2							
	OBS	01200	05.12	35.063	27.73		1491.4							
	OBS	01300	04.87	35.090	27.78		1492.1							
	OBS	01400	04.60	35.074	27.80		1492.7							
	OBS	01500	04.36	35.062	27.82		1493.3							

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REFID 31 8106	YEAR 1969	BOTDP 03292	AIR TEMP 26.1	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 06	SHIP AI	WET BULB 22.8	19 0 3	WIND-SPD 01	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 17	DATA USE 1	BAROMETR 1025.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 09 W	HOUR 12.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 016	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	21.80	36.543	25.46		1528.7							
	OBS	00010	21.14	36.573	25.67		1527.2							
	OBS	00020	20.56	36.570	25.83		1525.8							
	OBS	00030	20.05	36.551	25.95		1524.6							
	OBS	00050	18.64	36.547	26.31		1521.0							
	OBS	00075	18.18	36.548	26.46		1520.1							
	OBS	00100	17.65	36.490	26.52		1518.9							
	OBS	00125	17.40	36.473	26.56		1518.6							
	OBS	00150	17.13	36.434	26.60		1518.1							
	OBS	00185	16.95	36.398	26.62		1518.1							
	OBS	00200	17.11	36.463	26.63		1518.9							
	OBS	00250	17.05	36.463	26.64		1519.6							
	OBS	00300	17.05	36.473	26.65		1520.4							
	OBS	00400	16.95	36.461	26.66		1521.7							
	OBS	00500	16.38	36.312	26.69		1521.5							
	OBS	00600	14.76	35.998	26.81		1517.7							
	OBS	00700	13.11	35.732	26.96		1513.6							
	OBS	00730	12.67	35.683	27.01		1512.6							
	OBS	00800	11.16	35.465	27.13		1508.3							
	OBS	00900	08.55	35.166	27.34		1500.0							
	OBS	01000	06.77	35.078	27.53		1494.7							
	OBS	01035	06.31	35.070	27.59		1493.5							
	OBS	01040	06.44	35.090	27.59		1494.1							
	OBS	01100	05.92	35.077	27.64		1493.0							
	OBS	01200	05.17	35.053	27.72		1491.6							
	OBS	01300	04.76	35.042	27.76		1491.6							
	OBS	01400	04.48	35.032	27.78		1492.1							
	OBS	01500	04.26	35.027	27.80		1492.9							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 02926	AIR TEMP 27.8	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0017	MONTH 06	SHIP AI	WET BULB 23.9	20 0 3	WIND-SPD 04	TRACE DIR 0	5 SQUARE 4
LAT 35 06 N	DAY 17	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 12 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 017	1 SQUARE 98

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	21.99	36.502	25.38		1529.1							
	OBS	00010	19.89	36.412	25.89		1523.7							
	OBS	00020	19.04	36.423	26.12		1521.5							
	OBS	00030	18.04	36.438	26.38		1518.8							
	OBS	00050	17.62	36.476	26.51		1518.0							
	OBS	00075	17.35	36.453	26.56		1517.6							
	OBS	00100	17.23	36.454	26.59		1517.6							
	OBS	00125	17.19	36.452	26.60		1517.9							
	OBS	00150	17.17	36.453	26.61		1518.3							
	OBS	00200	17.11	36.457	26.62		1518.9							
	OBS	00250	17.10	36.463	26.63		1519.7							
	OBS	00300	17.08	36.469	26.64		1520.5							
	OBS	00400	17.00	36.464	26.65		1521.9							
	OBS	00500	16.18	36.272	26.70		1520.8							
	OBS	00600	14.81	36.000	26.80		1517.9							
	OBS	00700	13.28	35.719	26.91		1514.2							
	OBS	00800	10.80	35.401	27.14		1506.9							
	OBS	00900	08.43	35.172	27.30		1499.6							
	OBS	01000	06.59	35.078	27.56		1494.0							
	OBS	01100	05.61	35.074	27.68		1491.8							
	OBS	01200	04.97	35.041	27.73		1490.8							
	OBS	01300	04.74	35.047	27.76		1491.5							
	OBS	01400	04.54	35.048	27.79		1492.4							
	OBS	01500	04.33	35.036	27.80		1493.2							

REFID 31 8106	YEAR 1969	BOTDP 04572	AIR TEMP 24.4	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0018	MONTH 06	SHIP AI	WET BULB 21.7	14 0 3	WIND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 34 54 N	DAY 18	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 53 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 018	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	22.84	36.691	25.28		1531.5							
	OBS	00010	22.02	36.647	25.48		1529.6							
	OBS	00020	21.04	36.557	25.65		1527.1							
	OBS	00030	20.04	36.527	25.93		1524.5							
	OBS	00050	18.82	36.516	26.24		1521.5							
	OBS	00075	18.19	36.520	26.41		1520.1							
	OBS	00100	18.03	36.543	26.46		1520.1							
	OBS	00125	17.80	36.521	26.50		1519.8							
	OBS	00150	17.65	36.505	26.53		1519.7							
	OBS	00200	17.38	36.452	26.55		1519.7							
	OBS	00250	17.14	36.430	26.59		1519.8							
	OBS	00300	17.01	36.420	26.62		1520.2							
	OBS	00350	17.01	36.440	26.63		1521.1							
	OBS	00400	16.79	36.391	26.65		1521.2							
	OBS	00500	15.26	36.154	26.82		1517.8							
	OBS	00600	13.99	35.890	26.89		1515.1							
	OBS	00700	12.01	35.629	27.09		1509.8							
	OBS	00800	09.99	35.393	27.28		1504.0							
	OBS	00900	08.52	35.170	27.35		1499.9							
	OBS	00915	08.15	35.165	27.40		1498.8							
	OBS	00925	08.28	35.265	27.46		1499.6							
	OBS	01000	07.42	35.212	27.55		1497.5							
	OBS	01100	06.79	35.227	27.65		1496.7							
	OBS	01130	06.37	35.180	27.67		1495.5							
	OBS	01200	05.67	35.112	27.70		1493.7							
	OBS	01300	05.09	35.055	27.73		1493.0							
	OBS	01400	04.75	35.042	27.76		1493.2							
	OBS	01500	04.44	35.028	27.78		1493.6							

TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 04572	AIR TEMP 26.7	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1206
CONSEC 0019	MONTH 06	SHIP AI	WET BULB 22.2	15 0 3	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 34 50 N	DAY 18	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 40 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 019	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	23.19	36.745	25.22		1532.4							
	OBS	00010	21.58	36.727	25.67		1528.5							
	OBS	00020	21.42	36.720	25.71		1528.3							
	OBS	00030	20.54	36.666	25.91		1526.0							
	OBS	00050	19.00	36.509	26.15		1522.0							
	OBS	00075	18.35	36.581	26.41		1520.6							
	OBS	00100	18.02	36.554	26.47		1520.1							
	OBS	00125	17.90	36.546	26.50		1520.1							
	OBS	00150	17.76	36.530	26.52		1520.1							
	OBS	00200	17.41	36.473	26.56		1519.8							
	OBS	00250	17.19	36.453	26.60		1520.0							
	OBS	00300	17.03	36.445	26.63		1520.3							
	OBS	00400	16.41	36.321	26.68		1519.9							
	OBS	00500	15.38	36.115	26.76		1518.2							
	OBS	00600	13.99	35.896	26.90		1515.1							
	OBS	00700	12.37	35.629	27.02		1511.0							
	OBS	00800	10.13	35.368	27.24		1504.5							
	OBS	00848	08.98	35.293	27.37		1501.0							
	OBS	00890	08.38	35.232	27.42		1499.3							
	OBS	00900	08.49	35.294	27.45		1500.0							
	OBS	01000	07.42	35.250	27.58		1497.5							
	OBS	01060	06.99	35.244	27.63		1496.8							
	OBS	01088	06.34	35.162	27.66		1494.6							
	OBS	01100	06.58	35.224	27.68		1495.9							
	OBS	01130	06.38	35.238	27.71		1495.6							
	OBS	01200	05.66	35.155	27.74		1493.8							
	OBS	01245	05.18	35.106	27.76		1492.5							
	OBS	01275	05.35	35.150	27.77		1493.7							
	OBS	01300	05.06	35.117	27.78		1492.9							
	OBS	01400	04.68	35.087	27.80		1493.0							
	OBS	01500	04.37	35.070	27.82		1493.4							

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REFID 31 8106	YEAR 1969	BOTDP 03566	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0020	MONTH 06	SHIP AI	WET BULB 22.2	15 1 4	WIND-SPD 11	TRACE DIR 0	5 SQUARE 4
LAT 35 03 N	DAY 19	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 40 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 020	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	22.72	36.745	25.36		1531.3							
	OBS	00010	22.06	36.701	25.51		1529.7							
	OBS	00020	21.34	36.654	25.68		1528.0							
	OBS	00030	20.24	36.572	25.91		1525.1							
	OBS	00050	19.52	36.556	25.99		1524.6							
	OBS	00075	18.28	36.565	26.42		1520.4							
	OBS	00100	18.06	36.555	26.46		1520.2							
	OBS	00125	17.83	36.524	26.50		1519.9							
	OBS	00150	17.63	36.494	26.52		1519.7							
	OBS	00200	17.43	36.466	26.55		1519.9							
	OBS	00250	17.10	36.410	26.59		1519.6							
	OBS	00300	16.98	36.403	26.61		1520.1							
	OBS	00400	16.51	36.329	26.67		1520.2							
	OBS	00500	15.52	36.135	26.75		1518.6							
	OBS	00517	15.61	36.234	26.80		1519.3							
	OBS	00600	14.32	35.951	26.87		1518.2							
	OBS	00700	12.57	35.662	27.01		1511.7							
	OBS	00800	10.36	35.375	27.20		1505.3							
	OBS	00850	09.18	35.280	27.33		1501.7							
	OBS	00900	08.57	35.210	27.37		1500.2							
	OBS	01000	07.71	35.283	27.56		1498.7							
	OBS	01055	06.99	35.235	27.63		1496.7							
	OBS	01100	06.90	35.260	27.66		1497.2							
	OBS	01125	06.28	35.174	27.67		1495.0							
	OBS	01150	06.41	35.225	27.70		1496.0							
	OBS	01200	05.73	35.145	27.72		1494.0							
	OBS	01300	05.26	35.118	27.76		1493.8							
	OBS	01400	04.92	35.118	27.80		1494.0							
	OBS	01500	04.71	35.108	27.82		1494.8							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BUTOP 01920 AIR TEMP 25.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0021 MONTH 06 SHIP AI WET BULB 22.2 13 0 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 06 N DAY 19 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 38 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 021 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	22.88	36.750	25.31		1531.7							
	OBS	00010	22.54	36.740	25.40		1531.0							
	OBS	00020	21.32	36.681	25.70		1527.9							
	OBS	00030	20.64	36.701	25.90		1526.3							
	OBS	00050	19.61	36.664	26.15		1523.8							
	OBS	00075	18.58	36.596	26.37		1521.3							
	OBS	00100	17.94	36.536	26.48		1519.8							
	OBS	00125	17.63	36.469	26.52		1519.3							
	OBS	00150	17.35	36.450	26.56		1518.8							
	OBS	00200	17.21	36.451	26.59		1519.2							
	OBS	00250	17.11	36.456	26.62		1519.7							
	OBS	00300	17.08	36.461	26.63		1520.5							
	OBS	00400	16.99	36.451	26.65		1521.8							
	OBS	00500	15.80	36.182	26.72		1519.5							
	OBS	00600	14.40	35.946	26.85		1516.5							
	OBS	00700	12.61	35.669	27.01		1511.9							
	OBS	00800	10.35	35.386	27.21		1505.3							
	OBS	00900	08.52	35.238	27.40		1500.0							
	OBS	00920	08.37	35.313	27.48		1499.9							
	OBS	01000	07.73	35.249	27.53		1498.7							
	OBS	01040	07.15	35.238	27.61		1497.1							
	OBS	01090	06.98	35.254	27.64		1497.3							
	OBS	01100	06.96	35.289	27.67		1497.4							
	OBS	01140	06.51	35.247	27.70		1496.3							
	OBS	01160	06.38	35.244	27.72		1496.1							
	OBS	01200	05.43	35.130	27.75		1492.8							
	OBS	01300	05.32	35.154	27.78		1494.1							
	OBS	01400	04.96	35.133	27.81		1494.2							
	OBS	01500	04.53	35.097	27.83		1494.1							

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REFID 31 8106 YEAR 1969 BOTOP 01737 AIR TEMP 25.6 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0022 MONTH 06 SHIP AI WET BULB 22.2 18 1 4 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 20 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 00.0 2 SQUARE 46
LONG 047 53 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 022 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	22.72	36.743	25.36		1531.3							
	OBS	00010	22.04	36.678	25.50		1529.6							
	OBS	00020	21.30	36.698	25.72		1527.9							
	OBS	00030	20.64	36.639	25.86		1526.3							
	OBS	00050	19.09	36.600	26.24		1522.3							
	OBS	00075	18.22	36.562	26.43		1520.2							
	OBS	00100	17.95	36.534	26.48		1519.8							
	OBS	00125	17.69	36.508	26.52		1519.4							
	OBS	00150	17.58	36.485	26.53		1519.5							
	OBS	00200	17.21	36.450	26.59		1519.2							
	OBS	00250	17.12	36.465	26.63		1519.8							
	OBS	00300	17.11	36.473	26.63		1520.6							
	OBS	00400	17.00	36.461	26.65		1521.9							
	OBS	00500	15.97	36.246	26.73		1520.1							
	OBS	00600	14.71	36.014	26.83		1517.6							
	OBS	00700	12.94	35.707	26.97		1513.0							
	OBS	00800	10.59	35.411	27.19		1506.2							
	OBS	00890	08.52	35.206	27.38		1499.8							
	OBS	00900	08.52	35.236	27.40		1500.0							
	OBS	01000	07.42	35.144	27.49		1497.4							
	OBS	01015	06.87	35.207	27.62		1495.6							
	OBS	01030	07.06	35.218	27.60		1496.6							
	OBS	01100	06.16	35.141	27.66		1494.1							
	OBS	01160	05.54	35.120	27.73		1492.6							
	OBS	01170	05.77	35.179	27.74		1493.7							
	OBS	01200	05.59	35.172	27.76		1493.5							
	OBS	01300	04.94	35.089	27.77		1492.4							
	OBS	01400	04.53	35.075	27.81		1492.4							
	OBS	01500	04.38	35.080	27.83		1493.4							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 04206	AIR TEMP 24.4	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0023	MONTH 06	SHIP AI	WET BULB 21.7	20 1 3	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 20	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 56 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 023	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	23.19	36.672	25.17		1532.4							
	OBS	00010	22.74	36.674	25.30		1531.4							
	OBS	00020	21.38	36.633	25.65		1528.0							
	OBS	00030	20.65	36.635	25.85		1526.3							
	OBS	00050	19.14	36.609	26.23		1522.5							
	OBS	00075	18.51	36.585	26.37		1521.1							
	OBS	00100	18.18	36.558	26.44		1520.5							
	OBS	00125	18.07	36.558	26.46		1520.6							
	OBS	00150	17.86	36.524	26.49		1520.4							
	OBS	00200	17.43	36.448	26.54		1519.8							
	OBS	00250	17.21	36.424	26.57		1520.0							
	OBS	00300	17.04	36.419	26.61		1520.3							
	OBS	00400	16.79	36.381	26.64		1521.2							
	OBS	00500	15.68	36.158	26.73		1519.1							
	OBS	00600	14.38	35.942	26.85		1516.4							
	OBS	00700	12.69	35.684	27.00		1512.2							
	OBS	00800	10.39	35.383	27.20		1505.4							
	OBS	00830	09.58	35.292	27.27		1502.9							
	OBS	00900	08.45	35.255	27.42		1499.8							
	OBS	01000	07.36	35.221	27.56		1497.2							
	OBS	01045	06.60	35.183	27.64		1495.0							
	OBS	01064	06.84	35.239	27.65		1496.3							
	OBS	01070	06.34	35.143	27.64		1494.3							
	OBS	01100	06.17	35.144	27.67		1494.1							
	OBS	01200	05.34	35.106	27.74		1492.4							
	OBS	01300	04.76	35.091	27.80		1491.7							
	OBS	01400	04.54	35.059	27.80		1492.4							
	OBS	01500	04.33	35.055	27.82		1493.2							

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REFID 31 8106	YEAR 1969	BOTDP 03931	AIR TEMP 26.7	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0024	MONTH 06	SHIP AI	WET BULB 23.3	22 1 3	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 35 08 N	DAY 21	DATA USE 1	BAROMETR 1027.4	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 57 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E23 024	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	22.92	36.729	25.29		1531.7							
	OBS	00010	21.53	36.726	25.68		1528.4							
	OBS	00020	21.04	36.668	25.77		1527.2							
	OBS	00030	19.76	36.530	26.01		1523.8							
	OBS	00050	18.68	36.561	26.31		1521.1							
	OBS	00075	18.25	36.550	26.41		1520.3							
	OBS	00100	18.02	36.544	26.47		1520.0							
	OBS	00125	17.74	36.497	26.50		1519.6							
	OBS	00150	17.63	36.484	26.52		1519.7							
	OBS	00200	17.38	36.447	26.55		1519.7							
	OBS	00250	17.16	36.451	26.61		1519.9							
	OBS	00300	17.16	36.461	26.61		1520.7							
	OBS	00400	16.93	36.426	26.64		1521.6							
	OBS	00500	15.78	36.193	26.73		1519.5							
	OBS	00600	14.18	35.888	26.85		1515.7							
	OBS	00700	12.05	35.636	26.97		1512.0							
	OBS	00800	10.42	35.375	27.19		1505.5							
	OBS	00872	08.74	35.211	27.34		1500.4							
	OBS	00900	08.59	35.262	27.41		1500.5							
	OBS	00925	08.23	35.254	27.46		1499.4							
	OBS	00950	07.58	35.137	27.46		1497.1							
	OBS	01000	06.79	35.105	27.55		1494.9							
	OBS	01100	06.07	35.116	27.66		1493.7							
	OBS	01200	05.33	35.087	27.73		1492.3							
	OBS	01300	05.14	35.119	27.77		1493.3							
	OBS	01400	04.55	35.058	27.79		1492.4							
	OBS	01500	04.51	35.073	27.81		1494.0							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 02743	AIR TEMP 26.1	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1206
CONSEC 0025	MONTH 06	SHIP AI	WET BULB 22.8	20 1 3	WIND-SPD 08	TRACE DIR 0	5 SQUARE 4
LAT 35 12 N	DAY 21	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 58 W	HOUR 18.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 025	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	23.24	36.686	25.16		1532.3							
	OBS	00010	21.34	36.636	25.66		1527.8							
	OBS	00020	20.44	36.577	25.86		1525.5							
	OBS	00030	19.14	36.514	26.16		1522.0							
	OBS	00050	18.26	36.503	26.37		1519.9							
	OBS	00075	18.03	36.522	26.45		1519.6							
	OBS	00100	17.67	36.490	26.51		1519.0							
	OBS	00125	17.55	36.471	26.53		1519.0							
	OBS	00150	17.23	36.417	26.56		1518.4							
	OBS	00200	17.22	36.448	26.59		1519.2							
	OBS	00250	17.16	36.451	26.61		1519.9							
	OBS	00300	17.17	36.458	26.61		1520.7							
	OBS	00400	17.00	36.441	26.64		1521.9							
	OBS	00500	16.08	36.236	26.70		1520.5							
	OBS	00600	14.71	35.984	26.81		1517.5							
	OBS	00700	12.37	35.598	27.00		1511.0							
	OBS	00800	10.17	35.350	27.21		1504.6							
	OBS	00850	09.73	35.341	27.28		1503.8							
	OBS	00900	08.65	35.232	27.38		1500.5							
	OBS	00935	07.61	35.105	27.43		1497.0							
	OBS	01000	06.87	35.121	27.55		1495.2							
	OBS	01100	06.08	35.113	27.65		1493.7							
	OBS	01130	06.04	35.164	27.70		1494.1							
	OBS	01152	05.48	35.068	27.69		1492.1							
	OBS	01200	05.29	35.083	27.73		1492.2							
	OBS	01300	05.14	35.123	27.78		1493.3							
	OBS	01335	04.66	35.053	27.78		1491.8							
	OBS	01400	04.48	35.056	27.80		1492.2							
	OBS	01500	04.33	35.052	27.81		1493.2							

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REFID 31 8106	YEAR 1969	BOTDP 03658	AIR TEMP 28.3	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1206
CONSEC 0026	MONTH 06	SHIP AI	WET BULB 23.9	24 1 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 35 05 N	DAY 22	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 57 W	HOUR 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 026	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	23.21	36.639	25.13		1532.4							
	OBS	00010	22.04	36.554	25.41		1529.5							
	OBS	00020	20.85	36.575	25.75		1526.6							
	OBS	00030	20.30	36.550	25.88		1525.3							
	OBS	00050	19.03	36.600	26.25		1522.2							
	OBS	00075	18.27	36.559	26.42		1520.4							
	OBS	00100	18.09	36.545	26.45		1520.2							
	OBS	00125	18.01	36.540	26.47		1520.4							
	OBS	00150	17.81	36.512	26.49		1520.2							
	OBS	00200	17.42	36.433	26.53		1519.8							
	OBS	00250	17.18	36.406	26.57		1519.9							
	OBS	00300	17.00	36.387	26.60		1520.1							
	OBS	00400	16.21	36.239	26.67		1519.2							
	OBS	00500	15.30	36.076	26.75		1517.9							
	OBS	00600	13.82	35.852	26.90		1514.5							
	OBS	00700	12.19	35.609	27.04		1510.4							
	OBS	00800	10.24	35.371	27.22		1504.9							
	OBS	00900	08.46	35.207	27.39		1499.8							
	OBS	00919	08.02	35.216	27.46		1498.4							
	OBS	00943	07.96	35.217	27.47		1498.6							
	OBS	01000	06.69	35.075	27.54		1496.4							
	OBS	01100	06.08	35.096	27.64		1493.7							
	OBS	01138	05.96	35.152	27.70		1493.8							
	OBS	01200	05.16	35.090	27.72		1491.6							
	OBS	01262	05.26	35.121	27.76		1493.1							
	OBS	01300	05.00	35.084	27.76		1492.7							
	OBS	01320	05.02	35.106	27.78		1493.1							
	OBS	01400	04.61	35.055	27.78		1492.7							
	OBS	01500	04.48	35.067	27.81		1493.8							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BOTDP 03017 AIR TEMP 28.9 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206
CONSEC 0027 MONTH 06 SHIP AI WET BULB 25.0 26 0 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 22 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 02 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 027 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	23.44	36.674	25.09		1533.0							
	OBS	00010	21.54	36.679	25.64		1528.4							
	OBS	00020	20.81	36.674	25.84		1526.6							
	OBS	00030	20.12	36.584	25.96		1524.8							
	OBS	00050	18.94	36.585	26.26		1521.9							
	OBS	00075	18.46	36.594	26.39		1521.0							
	OBS	00100	18.22	36.591	26.45		1520.7							
	OBS	00125	18.03	36.572	26.49		1520.5							
	OBS	00150	17.85	36.547	26.51		1520.4							
	OBS	00200	17.48	36.485	26.55		1520.0							
	OBS	00250	17.20	36.441	26.59		1520.0							
	OBS	00300	17.03	36.436	26.63		1520.3							
	OBS	00365	16.69	36.440	26.64		1521.2							
	OBS	00400	16.63	36.362	26.66		1520.7							
	OBS	00430	16.19	36.246	26.68		1519.7							
	OBS	00500	15.66	36.176	26.75		1519.1							
	OBS	00600	13.94	35.869	26.89		1516.9							
	OBS	00700	12.53	35.677	27.03		1511.6							
	OBS	00800	10.25	35.357	27.21		1506.9							
	OBS	00900	08.33	35.208	27.41		1499.3							
	OBS	00939	08.06	35.218	27.46		1498.9							
	OBS	00965	06.95	35.088	27.52		1496.9							
	OBS	01000	06.56	35.068	27.55		1493.9							
	OBS	01062	06.38	35.126	27.62		1496.3							
	OBS	01100	05.81	35.077	27.66		1492.6							
	OBS	01200	05.16	35.029	27.70		1491.6							
	OBS	01300	04.82	35.051	27.76		1491.9							
	OBS	01400	04.55	35.032	27.77		1492.4							
	OBS	01500	04.37	35.032	27.79		1493.3							

REFID 31 8106 YEAR 1969 BOTDP 03658 AIR TEMP 23.3 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206
CONSEC 0028 MONTH 06 SHIP AI WET BULB 21.1 29 0 3 WIND-SPD 03 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 23 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 09 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E28 028 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	23.18	36.529	25.06		1534.2							
	OBS	00010	22.04	36.418	25.30		1529.3							
	OBS	00020	20.86	36.448	25.65		1526.5							
	OBS	00030	20.14	36.488	25.88		1524.7							
	OBS	00050	18.72	36.516	26.27		1521.2							
	OBS	00075	17.93	36.451	26.42		1519.3							
	OBS	00100	17.73	36.474	26.48		1519.1							
	OBS	00125	17.50	36.444	26.52		1518.8							
	OBS	00150	17.33	36.427	26.55		1518.7							
	OBS	00200	17.06	36.387	26.58		1518.7							
	OBS	00250	16.94	36.380	26.60		1519.1							
	OBS	00300	17.03	36.424	26.62		1520.3							
	OBS	00400	16.67	36.360	26.65		1520.8							
	OBS	00500	15.71	36.145	26.71		1519.2							
	OBS	00600	14.69	35.972	26.81		1517.5							
	OBS	00700	12.86	35.663	26.95		1512.7							
	OBS	00800	10.66	35.397	27.16		1506.4							
	OBS	00900	08.74	35.195	27.33		1500.8							
	OBS	00950	07.65	35.076	27.41		1497.3							
	OBS	01000	06.73	35.088	27.55		1494.6							
	OBS	01042	05.96	35.064	27.63		1492.2							
	OBS	01070	05.98	35.102	27.66		1492.6							
	OBS	01100	05.43	35.041	27.68		1491.0							
	OBS	01200	05.09	35.058	27.73		1491.3							
	OBS	01300	04.74	35.046	27.76		1491.5							
	OBS	01400	04.52	35.047	27.79		1492.3							
	OBS	01500	04.30	35.038	27.81		1493.1							

TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BOTDP 03201 AIR TEMP 27.2 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1206
CONSEC 0029 MONTH 06 SHIP AI WET BULB 23.3 19 0 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 09 N DAY 23 DATA USE 1 BAROMETR 1022.7 SEA WIND-FUR DURATION 00.4 2 SQUARE 48
LONG 048 13 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 029 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	23.54	36.608	25.01		1533.1							
	OBS	00010	21.34	36.604	25.64		1527.7							
	OBS	00020	20.74	36.605	25.80		1526.3							
	OBS	00030	19.96	36.543	25.97		1524.3							
	OBS	00050	18.99	36.588	26.25		1522.0							
	OBS	00075	18.42	36.546	26.37		1520.8							
	OBS	00100	18.13	36.531	26.43		1520.3							
	OBS	00125	17.91	36.498	26.46		1520.1							
	OBS	00150	17.73	36.472	26.48		1519.9							
	OBS	00200	17.39	36.421	26.53		1519.7							
	OBS	00250	17.09	36.388	26.57		1519.6							
	OBS	00300	17.06	36.414	26.60		1520.4							
	OBS	00400	16.81	36.359	26.62		1521.2							
	OBS	00500	15.48	36.065	26.70		1518.4							
	OBS	00600	14.22	35.847	26.81		1515.8							
	OBS	00700	12.60	35.631	26.98		1511.8							
	OBS	00800	10.76	35.354	27.11		1506.7							
	OBS	00900	07.97	35.117	27.39		1497.8							
	OBS	01000	06.46	35.053	27.55		1493.5							
	OBS	01050	05.77	35.021	27.62		1491.5							
	OBS	01065	05.96	35.083	27.64		1492.6							
	OBS	01100	05.76	35.086	27.67		1492.4							
	OBS	01120	05.45	35.054	27.67		1491.4							
	OBS	01200	04.96	35.028	27.72		1490.7							
	OBS	01300	04.70	35.031	27.76		1491.3							
	OBS	01400	04.53	35.036	27.78		1492.3							
	OBS	01500	04.31	35.028	27.80		1493.1							

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REFID 31 8106 YEAR 1969 BOTDP 04023 AIR TEMP 25.0 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0030 MONTH 06 SHIP AI WET BULB 22.2 24 0 3 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 22 N DAY 24 DATA USE 1 BAROMETR 1022.0 SEA WIND-FUR DURATION 00.5 2 SQUARE 48
LONG 048 02 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 030 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	23.43	36.533	24.99		1532.8							
	OBS	00010	21.74	36.503	25.45		1528.7							
	OBS	00020	21.04	36.584	25.71		1527.1							
	OBS	00030	20.27	36.519	25.87		1525.1							
	OBS	00050	18.40	36.469	26.31		1520.2							
	OBS	00075	17.84	36.488	26.47		1519.0							
	OBS	00100	17.75	36.470	26.48		1519.2							
	OBS	00125	17.31	36.428	26.55		1518.2							
	OBS	00150	17.21	36.430	26.58		1518.4							
	OBS	00200	17.07	36.429	26.61		1518.8							
	OBS	00250	17.11	36.453	26.62		1519.7							
	OBS	00300	17.12	36.456	26.62		1520.6							
	OBS	00400	17.00	36.440	26.64		1521.9							
	OBS	00500	16.30	36.304	26.70		1521.2							
	OBS	00600	15.08	36.050	26.78		1518.8							
	OBS	00700	13.02	35.702	26.95		1513.3							
	OBS	00800	10.80	35.416	27.15		1506.9							
	OBS	00900	08.57	35.176	27.34		1500.1							
	OBS	01000	06.75	35.079	27.54		1494.7							
	OBS	01030	06.35	35.083	27.59		1493.6							
	OBS	01060	06.32	35.145	27.65		1494.0							
	OBS	01100	05.74	35.086	27.67		1492.3							
	OBS	01200	05.03	35.051	27.73		1491.1							
	OBS	01300	04.78	35.049	27.76		1491.7							
	OBS	01400	04.55	35.041	27.78		1492.4							
	OBS	01500	04.32	35.035	27.80		1493.1							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BOTDP 03100 AIR TEMP 25.6 DIR HGT PER #IND-DIR 24 INST STD RECORDER TEN SW 1206
CONSEC 0031 MONTH 06 SHIP AI WET BULB 22.2 20 1 2 #IND-SPD 07 TRACE DIR D > SQUARE 4
LAT 35 01 N DAY 24 DATA USE 1 BAROMETR 1022.0 SEA #IND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 03 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR #EATHER X1 ORIG E28 031 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	24.23	36.623	24.82		1534.8							
	OBS	00010	21.94	36.663	25.52		1529.4							
	OBS	00020	21.14	36.678	25.75		1527.5							
	OBS	00030	20.94	36.681	25.81		1527.1							
	OBS	00050	19.34	36.595	26.17		1523.0							
	OBS	00075	18.53	36.564	26.35		1521.1							
	OBS	00100	18.25	36.549	26.41		1520.7							
	OBS	00125	18.01	36.522	26.45		1520.4							
	OBS	00150	17.86	36.508	26.48		1520.4							
	OBS	00200	17.54	36.464	26.52		1520.2							
	OBS	00250	17.21	36.414	26.57		1520.0							
	OBS	00300	17.03	36.397	26.60		1520.2							
	OBS	00400	16.75	36.358	26.63		1521.0							
	OBS	00500	15.23	36.079	26.77		1517.6							
	OBS	00600	13.67	35.826	26.91		1514.0							
	OBS	00700	12.27	35.563	26.99		1510.6							
	OBS	00800	10.32	35.370	27.20		1505.2							
	OBS	00900	08.28	35.213	27.42		1499.1							
	OBS	00990	07.41	35.219	27.55		1497.3							
	OBS	01000	07.15	35.182	27.56		1496.4							
	OBS	01024	07.05	35.199	27.59		1496.4							
	OBS	01100	05.78	35.058	27.65		1492.4							
	OBS	01149	05.43	35.042	27.68		1491.8							
	OBS	01175	05.73	35.143	27.72		1493.6							
	OBS	01200	05.25	35.064	27.72		1492.0							
	OBS	01300	04.79	35.044	27.76		1491.7							
	OBS	01400	04.45	35.031	27.78		1492.0							
	OBS	01500	04.30	35.027	27.80		1493.0							

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REFID 31 8106 YEAR 1969 BOTDP 04022 AIR TEMP 26.1 DIR HGT PER #IND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0032 MONTH 06 SHIP AI WET BULB 22.6 29 0 3 #IND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 25 DATA USE 1 BAROMETR 1022.0 SEA #IND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 04 W HOUR 13.0 AREA 05 CLOUD T/A CL/TR #EATHER X1 ORIG E28 032 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	23.82	36.782	25.06		1534.0							
	OBS	00010	22.13	36.707	25.50		1529.9							
	OBS	00020	21.39	36.694	25.65		1528.1							
	OBS	00030	20.84	36.664	25.82		1526.8							
	OBS	00050	19.46	36.643	26.17		1523.4							
	OBS	00075	18.73	36.578	26.31		1521.7							
	OBS	00100	18.31	36.546	26.40		1520.9							
	OBS	00125	18.09	36.534	26.44		1520.6							
	OBS	00150	17.85	36.501	26.48		1520.3							
	OBS	00200	17.55	36.458	26.52		1520.2							
	OBS	00250	17.20	36.410	26.56		1519.9							
	OBS	00300	17.03	36.403	26.60		1520.3							
	OBS	00400	16.82	36.388	26.64		1521.3							
	OBS	00500	15.70	36.144	26.71		1519.2							
	OBS	00600	14.00	35.850	26.86		1515.1							
	OBS	00700	12.17	35.582	27.03		1510.3							
	OBS	00800	10.26	35.381	27.22		1505.0							
	OBS	00900	08.35	35.191	27.39		1499.3							
	OBS	00945	07.84	35.168	27.45		1498.1							
	OBS	00965	07.97	35.266	27.51		1499.1							
	OBS	01000	07.35	35.176	27.53		1497.1							
	OBS	01052	06.95	35.183	27.59		1496.4							
	OBS	01075	06.32	35.099	27.61		1494.2							
	OBS	01100	06.18	35.094	27.62		1494.1							
	OBS	01200	05.40	35.062	27.70		1492.6							
	OBS	01300	05.02	35.086	27.76		1492.7							
	OBS	01325	04.73	35.060	27.76		1491.9							
	OBS	01365	04.84	35.079	27.78		1493.1							
	OBS	01400	04.74	35.064	27.78		1493.2							
	OBS	01500	04.35	35.037	27.80		1493.3							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTDP 04023	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0033	MONTH 06	SHIP AI	WET BULB 22.2	29 1 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 12 N	DAY 25	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 58 W	HOUR 18.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E28 033	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.7	OBS	00000	23.94	36.737	24.99		1534.3							
	OBS	00010	22.64	36.732	25.37		1531.2							
	OBS	00020	21.72	36.711	25.61		1529.0							
	OBS	00030	21.34	36.740	25.74		1528.2							
	OBS	00050	20.54	36.714	25.94		1526.4							
	OBS	00075	18.85	36.597	26.30		1522.1							
	OBS	00100	18.31	36.571	26.41		1520.9							
	OBS	00125	18.11	36.547	26.45		1520.7							
	OBS	00150	17.97	36.538	26.47		1520.7							
	OBS	00200	17.53	36.469	26.53		1520.2							
	OBS	00250	17.28	36.435	26.56		1520.2							
	OBS	00300	17.12	36.423	26.59		1520.5							
	OBS	00400	16.83	36.391	26.64		1521.3							
	OBS	00500	15.62	36.127	26.72		1518.9							
	OBS	00600	14.14	35.892	26.86		1515.6							
	OBS	00700	12.39	35.622	27.01		1511.1							
	OBS	00800	10.61	35.415	27.19		1506.3							
	OBS	00900	08.57	35.240	27.39		1500.2							
	OBS	00920	08.14	35.190	27.42		1498.9							
	OBS	00960	07.92	35.274	27.52		1498.8							
	OBS	01000	07.32	35.203	27.55		1497.1							
	OBS	01064	06.96	35.212	27.61		1496.7							
	OBS	01100	06.34	35.146	27.64		1494.8							
	OBS	01200	05.19	35.054	27.72		1491.7							
	OBS	01230	05.19	35.072	27.73		1492.2							
	OBS	01252	04.99	35.054	27.74		1491.8							
	OBS	01260	05.18	35.107	27.76		1492.7							
	OBS	01300	04.94	35.070	27.76		1492.4							
	OBS	01400	04.77	35.083	27.79		1493.4							
	OBS	01500	04.62	35.077	27.80		1494.4							

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TABLE IX.–Observed and interpolated oceanographic data for stations taken by USCGC CAMPBELL at Ocean Station ECHO, 26 June 1969 - 19 July 1969, prepared from NODC listing No. 31 - 1489.

REFID 31 1489	YEAR 1969	BOTDP 04024	AIR TEMP 25.2	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 06	SHIP CM	WET BULB 22.2	28 1 2	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 35 06 N	DAY 26	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 55 W	HOUR 20.1	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E29 001	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.1	OBS	00000	24.04	36.798	25.01		1534.6							
20.1	OBS	00024	22.12	36.729	25.52		1530.1							
20.1	OBS	00046	21.17	36.725	25.78		1528.0							
20.1	OBS	00070	19.18	36.628	26.24		1522.9							
20.1	OBS	00093	18.56	36.580	26.36		1521.5							
20.1	OBS	00140	18.00	36.524	26.46		1520.6							
20.1	OBS	T00187	17.66	36.488	26.51		1520.4							
20.1	OBS	00278	17.15	36.391	26.56		1520.2							
20.1	OBS	T00366	16.97	36.411	26.62		1521.2							
20.1	OBS	00453	16.41	36.287	26.66		1520.8							
20.1	OBS	T00536	15.31	36.094	26.76		1518.5							
20.1	OBS	00706	12.59	35.645	26.99		1511.9							
20.1	OBS	T00882	08.81	35.225	27.34		1500.8							
20.1	OBS	T01377	04.76	35.019	27.74		1492.9							

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REFID 31 1489	YEAR 1969	BOTDP 04389	AIR TEMP 24.4	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 06	SHIP CM	WET BULB 22.8	23 2 4	WIND-SPD 21	TRACE DIR	5 SQUARE 4
LAT 35 01 N	DAY 27	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 54 W	HOUR 17.9	AREA 05	CLOUD T/A 6/5	CL/TR	WEATHER X1	ORIG E29 002	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	23.93	36.745	25.00		1534.2							
17.9	OBS	00027	21.49	36.705	25.67		1528.5							
17.9	OBS	00054	20.38	36.667	25.95		1526.0							
17.9	OBS	00081	18.80	36.605	26.32		1522.0							
17.9	OBS	00108	18.30	36.566	26.40		1521.0							
17.9	OBS	00161	17.84	36.503	26.48		1520.5							
17.9	OBS	00213	17.43	36.430	26.52		1520.0							
17.9	OBS	00315	16.93	36.352	26.59		1520.1							
17.9	OBS	T00413	16.51	36.297	26.64		1520.4							
17.9	OBS	00515	15.29	36.049	26.73		1518.0							
17.9	OBS	T00617	13.56	35.750	26.88		1513.8							
17.9	OBS	00830	09.86	35.326	27.25		1503.9							
17.9	OBS	T01057	07.20	35.190	27.56		1497.5							
17.9	OBS	T01649	04.34	35.014	27.78		1495.7							

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REFID 31 1489	YEAR 1969	BOTDP 04627	AIR TEMP 24.3	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 06	SHIP CM	WET BULB 22.2	25 1 3	WIND-SPD 05	TRACE DIR	5 SQUARE 4
LAT 35 03 N	DAY 28	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 15 W	HOUR 19.1	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X2	ORIG E29 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.1	OBS	00000	23.65	36.754	25.09		1533.6							
19.1	OBS	00025	22.04	36.750	25.55		1530.0							
19.1	OBS	00051	20.65	36.678	25.88		1526.7							
19.1	OBS	00076	19.48	36.628	26.16		1523.9							
19.1	OBS	00102	18.46	36.521	26.34		1521.3							
19.1	OBS	00151	17.69	36.482	26.50		1519.8							
19.1	OBS	T00203	17.29	36.423	26.55		1519.5							
19.1	OBS	00304	16.93	36.388	26.61		1520.0							
19.1	OBS	T00404	16.38	36.292	26.67		1519.9							
19.1	OBS	00505	15.26	36.070	26.76		1517.8							
19.1	OBS	00605	13.63	35.772	26.88		1513.9							
19.1	OBS	00805	10.02	35.349	27.24		1504.1							
19.1	OBS	T00997	07.29	35.183	27.54		1496.9							
19.1	OBS	T01517	04.28	34.990	27.77		1493.2							

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TABLE IX.—Continued

REFID 31 1489 YEAR 1969 BOTDP 03109 AIR TEMP 22.9 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 06 SHIP CM WET BULB 22.1 19 0 3 WIND-SPD 04 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 29 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 17.9 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E29 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	23.87	36.781	25.05		1534.1							
17.9	OBS	00022	21.90	36.731	25.58		1529.5							
17.9	OBS	00045	20.92	36.688	25.82		1527.3							
17.9	OBS	00067	19.39	36.632	26.18		1523.5							
17.9	OBS	00090	18.74	36.618	26.34		1522.0							
17.9	OBS	00136	18.10	36.544	26.45		1520.9							
17.9	OBS	00177	17.71	36.481	26.49		1520.3							
17.9	OBS	00261	17.06	36.387	26.58		1519.7							
17.9	OBS	T00338	17.05	36.434	26.62		1521.0							
17.9	OBS	00420	16.40	36.269	26.65		1520.2							
17.9	OBS	00498	15.40	36.083	26.73		1518.1							
17.9	OBS	00663	12.36	35.621	27.02		1510.4							
17.9	OBS	T00837	09.21	35.275	27.32		1501.6							
17.9	OBS	T01299	05.10	35.066	27.74		1493.0							

REFID 31 1489 YEAR 1969 BOTDP 04389 AIR TEMP 24.4 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 06 SHIP CM WET BULB 21.9 26 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 55.0N DAY 30 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55.0W HOUR 17.4 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E29 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.4	OBS	00000	23.85	36.751	25.03		1534.1							
17.4	OBS	00027	21.10	36.635	25.73		1527.4							
17.4	OBS	00053	19.56	36.631	26.14		1523.7							
17.4	OBS	00080	18.56	36.588	26.36		1521.3							
17.4	OBS	00106	18.15	36.548	26.44		1520.5							
17.4	OBS	00161	17.75	36.480	26.48		1520.2							
17.4	OBS	T00215	17.22	36.402	26.55		1519.4							
17.4	OBS	00323	17.08	36.434	26.61		1520.8							
17.4	OBS	T00432	16.50	36.311	26.66		1520.7							
17.4	OBS	00542	15.08	36.019	26.76		1517.8							
17.4	OBS	00651	13.23	35.709	26.91		1513.2							
17.4	OBS	00872	08.95	35.235	27.33		1501.2							
17.4	OBS	T01092	06.57	35.162	27.63		1495.6							
17.4	OBS	T01652	04.12	34.982	27.78		1496.8							

REFID 31 1489 YEAR 1969 BOTDP 02606 AIR TEMP 24.9 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 07 SHIP CM WET BULB 24.3 00 0 X WIND-SPD 02 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 01 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 19.8 AREA 05 CLOUD T/A 3/2 CL/TR WEATHER X1 ORIG E29 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.8	OBS	00000	25.04	36.748	24.67		1536.9							
19.8	OBS	00025	21.42	36.586	25.60		1528.2							
19.8	OBS	00049	19.47	36.542	26.09		1523.3							
19.8	OBS	00075	18.29	36.522	26.38		1520.4							
19.8	OBS	00100	17.97	36.503	26.45		1519.8							
19.8	OBS	00152	17.61	36.470	26.51		1519.6							
19.8	OBS	T00203	17.29	36.427	26.56		1519.5							
19.8	OBS	00308	17.02	36.410	26.61		1520.4							
19.8	OBS	T00413	16.50	36.308	26.65		1520.4							
19.8	OBS	00517	15.25	36.056	26.75		1518.0							
19.8	OBS	T00621	13.58	35.780	26.90		1514.0							
19.8	OBS	00827	09.67	35.363	27.31		1503.2							
19.8	OBS	T01028	07.13	35.180	27.56		1496.7							
19.8	OBS	T01563	04.30	35.002	27.78		1494.1							

REFID 31 1489 YEAR 1969 BOTDP 02953 AIR TEMP 25.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 07 SHIP CM WET BULB 23.3 19 0 2 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 09.0N DAY 02 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.9 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E29 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	24.25	36.768	24.92		1535.0							
12.9	OBS	00026	21.97	36.688	25.53		1529.7							
12.9	OBS	00051	20.60	36.617	25.85		1526.5							
12.9	OBS	00077	18.70	36.536	26.29		1521.6							
12.9	OBS	00102	18.06	36.537	26.45		1520.2							
12.9	OBS	00154	17.56	36.465	26.52		1519.5							
12.9	OBS	T00203	17.07	36.386	26.58		1518.8							
12.9	OBS	00305	17.07	36.437	26.62		1520.5							
12.9	OBS	T00406	16.77	36.381	26.65		1521.2							
12.9	OBS	00506	15.42	36.108	26.75		1518.4							
12.9	OBS	T00604	13.64	35.783	26.89		1513.9							
12.9	OBS	00802	10.20	35.369	27.22		1504.8							
12.9	OBS	T00997	07.55	35.231	27.54		1497.9							
12.9	OBS	T01523	04.35	35.003	27.77		1493.6							

TABLE IX.—Continued

REFID 31 1489 YEAR 1969 BOTDP 04023 AIR TEMP 32.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 07 SHIP CM WET BULB 27.8 00 0 X WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 03 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 19.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E29 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.0	OBS	00000	24.92	36.768	24.72		1536.6							
19.0	OBS	00025	21.22	36.668	25.72		1527.8							
19.0	OBS	00051	19.58	36.621	26.13		1523.7							
19.0	OBS	00075	18.50	36.573	26.37		1521.0							
19.0	OBS	00101	18.14	36.549	26.44		1520.4							
19.0	OBS	00151	17.82	36.498	26.48		1520.2							
19.0	OBS	T00200	17.47	36.446	26.53		1520.0							
19.0	OBS	00303	16.94	36.364	26.59		1520.0							
19.0	OBS	T00407	16.30	36.260	26.66		1519.6							
19.0	OBS	00504	14.96	36.004	26.77		1516.8							
19.0	OBS	T00603	13.84	35.830	26.88		1514.6							
19.0	OBS	00803	10.39	35.409	27.22		1505.5							
19.0	OBS	T01001	07.26	35.170	27.54		1496.8							
19.0	OBS	T01510	04.23	34.967	27.76		1492.8							

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REFID 31 1489 YEAR 1969 BOTDP 03658 AIR TEMP 27.8 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 07 SHIP CM WET BULB 23.9 00 0 X WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 04 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09 W HOUR 13.5 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E29 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	25.12	36.783	24.67		1537.1							
13.5	OBS	00026	21.43	36.650	25.65		1528.3							
13.5	OBS	00052	19.12	36.508	26.16		1522.3							
13.5	OBS	00077	18.28	36.544	26.40		1520.4							
13.5	OBS	00102	18.07	36.539	26.45		1520.2							
13.5	OBS	00154	17.54	36.442	26.51		1519.4							
13.5	OBS	T00206	17.12	36.378	26.56		1518.9							
13.5	OBS	00308	17.04	36.354	26.56		1520.4							
13.5	OBS	T00409	15.97	36.187	26.68		1518.6							
13.5	OBS	00513	14.91	35.999	26.78		1516.8							
13.5	OBS	00615	13.40	35.751	26.91		1513.2							
13.5	OBS	00820	09.73	35.323	27.27		1503.3							
13.5	OBS	01026	07.44	35.233	27.56		1498.0							
13.5	OBS	T01531	04.60	35.047	27.78		1494.8							

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REFID 31 1489 YEAR 1969 BOTDP AIR TEMP 24.1 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 07 SHIP CM WET BULB 21.2 16 1 4 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 11 N DAY 05 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14 W HOUR 11.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E29 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	24.73	36.778	24.79		1536.2							
11.9	OBS	00028	21.64	36.631	25.58		1528.9							
11.9	OBS	00055	19.49	36.619	26.15		1523.5							
11.9	OBS	00082	18.40	36.587	26.40		1520.9							
11.9	OBS	00110	18.09	36.552	26.45		1520.4							
11.9	OBS	00164	17.62	36.472	26.51		1519.8							
11.9	OBS	T00219	17.27	36.437	26.57		1519.7							
11.9	OBS	00330	17.02	36.428	26.62		1520.7							
11.9	OBS	00440	16.50	36.322	26.66		1520.9							
11.9	OBS	00550	15.08	36.047	26.78		1518.0							
11.9	OBS	T00660	12.68	35.647	26.98		1511.4							
11.9	OBS	00874	08.81	35.269	27.38		1500.7							
11.9	OBS	T01184	06.07	35.127	27.66		1495.1							
11.9	OBS	T01685	04.09	34.996	27.79		1495.2							

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REFID 31 1489 YEAR 1969 BOTDP 04252 AIR TEMP 25.4 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 07 SHIP CM WET BULB 22.8 12 1 4 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 06 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.6 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E29 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	24.71	36.713	24.74		1536.1							
12.6	OBS	00024	22.46	36.658	25.37		1530.9							
12.6	OBS	00049	20.46	36.562	25.85		1526.0							
12.6	OBS	00073	19.21	36.625	26.23		1523.1							
12.6	OBS	00099	18.27	36.555	26.41		1520.8							
12.6	OBS	00147	17.88	36.511	26.48		1520.4							
12.6	OBS	00197	17.43	36.436	26.53		1519.8							
12.6	OBS	00296	16.80	36.339	26.61		1519.4							
12.6	OBS	00394	16.10	36.229	26.69		1518.8							
12.6	OBS	00493	14.93	35.996	26.77		1516.5							
12.6	OBS	T00596	13.66	35.803	26.90		1513.8							
12.6	OBS	00790	09.91	35.336	27.25		1503.5							
12.6	OBS	T00980	07.48	35.193	27.52		1497.3							
12.6	OBS	T01483	04.69	35.050	27.77		1494.4							

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TABLE IX.—Continued

REFID 31 1489 YEAR 1969 BOTDP 03566 AIR TEMP 24.4 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 07 SHIP CM WET BULB 21.7 11 1 3 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 13 N DAY 07 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E29 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.74	36.729	24.75		1536.2							
12.2	OBS	00024	23.04	36.688	25.22		1532.4							
12.2	OBS	00049	20.36	36.625	25.92		1525.8							
12.2	OBS	00073	18.76	36.480	26.23		1521.6							
12.2	OBS	00098	18.07	36.468	26.40		1520.1							
12.2	OBS	00145	17.36	36.432	26.54		1518.7							
12.2	OBS	T00194	17.12	36.401	26.58		1518.8							
12.2	OBS	00288	17.05	36.384	26.58		1520.1							
12.2	OBS	00383	16.37	36.299	26.68		1519.5							
12.2	OBS	00477	15.70	36.158	26.72		1518.8							
12.2	OBS	T00569	14.40	35.917	26.83		1515.9							
12.2	OBS	00753	10.99	35.455	27.15		1506.9							
12.2	OBS	T00940	08.04	35.215	27.46		1498.8							
12.2	OBS	T01437	04.70	35.038	27.76		1493.7							

REFID 31 1489 YEAR 1969 BOTDP 03200 AIR TEMP DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 07 SHIP CM WET BULB 22.8 21 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 33.5N DAY 08 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 52.5W HOUR 12.5 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E29 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	24.40	36.779	24.89		1535.4							
12.5	OBS	00024	24.07	36.768	24.98		1535.0							
12.5	OBS	00048	20.33	36.562	25.88		1525.6							
12.5	OBS	00072	18.45	36.472	26.30		1520.7							
12.5	OBS	00098	17.90	36.465	26.44		1519.6							
12.5	OBS	00147	17.32	36.440	26.56		1518.6							
12.5	OBS	00195	17.15	36.426	26.59		1518.9							
12.5	OBS	00292	17.08	36.432	26.61		1520.3							
12.5	OBS	T00387	16.91	36.411	26.64		1521.3							
12.5	OBS	00488	15.71	36.150	26.72		1519.0							
12.5	OBS	00586	13.92	35.919	26.93		1514.7							
12.5	OBS	00786	10.52	35.409	27.20		1505.7							
12.5	OBS	T00994	07.14	35.129	27.52		1496.2							
12.5	OBS	T01569	04.23	34.984	27.77		1493.9							

REFID 31 1489 YEAR 1969 BOTDP 03218 AIR TEMP 25.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 07 SHIP CM WET BULB 22.7 22 3 3 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 09 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.8 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E29 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	24.68	36.744	24.78		1536.0							
12.8	OBS	00023	23.38	36.770	25.18		1533.3							
12.8	OBS	00045	20.77	36.664	25.84		1526.9							
12.8	OBS	00068	19.46	36.618	26.16		1523.7							
12.8	OBS	00089	18.56	36.585	26.36		1521.5							
12.8	OBS	00134	17.84	36.501	26.48		1520.0							
12.8	OBS	T00175	17.60	36.472	26.51		1520.0							
12.8	OBS	00269	17.10	36.397	26.58		1519.9							
12.8	OBS	T00357	16.94	36.413	26.63		1520.9							
12.8	OBS	00446	16.01	36.190	26.68		1519.3							
12.8	OBS	T00523	14.72	35.966	26.80		1516.3							

REFID 31 1489 YEAR 1969 BOTDP 01829 AIR TEMP 27.3 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 07 SHIP CM WET BULB 24.3 36 4 5 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 22 N DAY 12 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 30 W HOUR 14.5 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG E29 015 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.5	OBS	00000	23.91	36.646	24.93		1534.1							
14.5	OBS	00025	20.73	36.648	25.84		1526.4							
14.5	OBS	00051	18.56	36.588	26.36		1520.8							
14.5	OBS	00076	17.97	36.523	26.46		1519.5							
14.5	OBS	00102	17.59	36.469	26.52		1518.7							
14.5	OBS	00152	17.22	36.412	26.56		1518.4							
14.5	OBS	T00205	17.12	36.427	26.60		1519.0							
14.5	OBS	00305	17.03	36.422	26.62		1520.4							
14.5	OBS	00406	16.43	36.308	26.67		1520.1							
14.5	OBS	00508	15.84	36.203	26.73		1519.8							
14.5	OBS	T00613	14.66	35.986	26.82		1517.6							
14.5	OBS	00812	10.69	35.407	27.17		1506.7							
14.5	OBS	T01023	07.19	35.158	27.54		1496.9							
14.5	OBS	T01534	04.48	35.015	27.77		1494.3							

TABLE IX.—Continued

REFID 31 1489 YEAR 1969 BOTDP 03778 AIR TEMP 26.1 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SW 1206
CONSEC 0016 MONTH 07 SHIP CM WET BULB 24.4 03 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 13 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 49 W HOUR 14.0 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E29 016 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.0	OBS	00000	24.41	36.550	24.71		1535.2							
14.0	OBS	00024	21.81	36.546	25.46		1529.1							
14.0	OBS	00048	20.10	36.556	25.94		1525.0							
14.0	OBS	00071	18.73	36.543	26.29		1521.6							
14.0	OBS	00094	18.20	36.526	26.41		1520.4							
14.0	OBS	00142	17.73	36.483	26.49		1519.8							
14.0	OBS	T00188	17.43	36.438	26.53		1519.6							
14.0	OBS	00278	16.91	36.367	26.60		1519.5							
14.0	OBS	T00365	16.76	36.370	26.64		1520.5							
14.0	OBS	00452	15.56	36.105	26.72		1517.9							
14.0	OBS	00536	13.99	35.843	26.86		1514.0							
14.0	OBS	00708	11.25	35.483	27.12		1507.1							
14.0	OBS	T00888	08.08	35.183	27.43		1498.1							
14.0	OBS	T01391	04.65	35.020	27.75		1492.7							

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REFID 31 1489 YEAR 1969 BOTDP 03072 AIR TEMP 25.6 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 07 SHIP CM WET BULB 24.4 23 2 4 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 23 N DAY 14 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 17.4 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E29 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.4	OBS	00000	24.23	36.536	24.75		1534.7							
17.4	OBS	00023	23.76	36.629	24.97		1534.1							
17.4	OBS	00044	20.76	36.693	25.87		1526.9							
17.4	OBS	00065	19.25	36.589	26.19		1523.0							
17.4	OBS	00088	18.42	36.560	26.38		1521.0							
17.4	OBS	00130	17.78	36.488	26.48		1519.8							
17.4	OBS	T00174	17.58	36.460	26.51		1519.9							
17.4	OBS	00252	17.10	36.400	26.58		1519.7							
17.4	OBS	00330	17.00	36.420	26.62		1520.7							
17.4	OBS	00408	16.46	36.294	26.65		1520.2							
17.4	OBS	T00489	15.41	36.081	26.73		1518.0							
17.4	OBS	00650	12.38	35.646	27.03		1510.3							
17.4	OBS	T00824	09.32	35.266	27.29		1501.8							
17.4	OBS	T01284	05.15	35.074	27.74		1493.0							

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REFID 31 1489 YEAR 1969 BOTDP 04169 AIR TEMP 24.9 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 07 SHIP CM WET BULB 24.1 22 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 37 N DAY 15 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 42 W HOUR 13.6 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG E29 018 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	24.44	36.618	24.75		1535.3							
13.6	OBS	00023	22.80	36.701	25.30		1531.8							
13.6	OBS	00045	20.08	36.617	25.99		1525.0							
13.6	OBS	00069	18.66	36.557	26.32		1521.4							
13.6	OBS	00091	18.38	36.572	26.40		1521.0							
13.6	OBS	00137	17.98	36.524	26.46		1520.5							
13.6	OBS	00183	17.64	36.469	26.50		1520.2							
13.6	OBS	00274	17.07	36.454	26.63		1520.0							
13.6	OBS	00365	16.71	36.398	26.67		1520.4							
13.6	OBS	00457	15.88											
13.6	OBS	00548	14.43											
13.6	OBS	00731	11.83											
13.6	OBS	00913	08.82											
13.6	OBS	T01370	04.92	35.032	27.73		1493.4							

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TABLE IX.—Continued

REFID 31 1489	YEAR 1969	BOTDP 02560	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 21	INST NANSEN CAST	TEN SQ 1206
CONSEC 0019	MONTH 07	SHIP CM	WET BULB 23.9	23 2 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 02 N	DAY 16	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 08 W	HOUR 12.6	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E29 019	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	24.69	36.554	24.63		1533.8							
12.6	OBS	00022	24.41	36.607	24.75		1535.6							
12.6	OBS	00043	20.82	36.629	25.80		1526.9							
12.6	OBS	00066	19.47	36.627	26.16		1523.7							
12.6	OBS	00088	18.48	36.625	26.41		1521.3							
12.6	OBS	00130	17.81	36.583	26.55		1520.0							
12.6	OBS	00174	17.39	36.537	26.62		1519.4							
12.6	OBS	00260	17.08	36.471	26.64		1519.8							
12.6	OBS	00345	16.94	36.441	26.65		1520.8							
12.6	OBS	00430	15.76	36.182	26.73		1518.3							
12.6	OBS	T00516	14.31	35.883	26.82		1514.7							
12.6	OBS	00688	11.51	35.424	27.03		1507.6							
12.6	OBS	T00869	08.48	35.300	27.46		1499.4							
12.6	OBS	T01388	05.00	35.068	27.75		1494.1							

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REFID 31 1489	YEAR 1969	BOTDP 04279	AIR TEMP 25.2	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0020	MONTH 07	SHIP CM	WET BULB 24.3	25 2 3	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 04.[illegible]	DAY 17	DATA USE 1	BAROMETR 1024.7	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 48.0W	HOUR 13.6	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E29 020	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	24.97	36.545	24.54		1536.5							
13.6	OBS	00025	23.44	36.627	25.06		1533.3							
13.6	OBS	00049	20.46	36.632	25.90		1526.1							
13.6	OBS	00074	19.06	36.541	26.20		1522.6							
13.6	OBS	00098	18.37	36.516	26.36		1521.0							
13.6	OBS	00147	17.88											
13.6	OBS	T00194	17.58	36.438	26.45		1520.2							
13.6	OBS	00290	16.99	36.349	26.57		1519.9							
13.6	OBS	00381	16.58	36.336	26.66		1520.2							
13.6	OBS	00480	15.55	36.187	26.78		1518.4							
13.6	OBS	00574	13.71	35.957	27.00		1513.8							
13.6	OBS	00784	09.87	35.396	27.30		1503.3							
13.6	OBS	T01006	07.00	35.149	27.56		1495.8							
13.6	OBS	T01594	04.44	35.016	27.77		1495.2							

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TABLE X.–Observed and interpolated oceanographic data for stations taken by USCGC COOK INLET at Ocean Station ECHO, 19 July 1969 - 10 August 1969, prepared from NODC listing No. 31 - 8117.

REFID 31 8117 YEAR 1969 BOTDP 02926 AIR TEMP 24.0 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0001 MONTH 07 SHIP CO WET BULB 23.2 27 2 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 19 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 13 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X8 ORIG E30 001 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	24.60	36.320	24.48		1535.4							
	OBS	00010	24.58	36.367	24.52		1535.5							
	OBS	00020	23.06	36.557	25.12		1532.2							
	OBS	00030	21.21	36.595	25.67		1527.7							
	OBS	00050	20.06	36.595	25.98		1525.0							
	OBS	00075	18.91	36.555	26.25		1522.2							
	OBS	00100	18.06	36.552	26.46		1520.2							
	OBS	00125	17.66	36.505	26.53		1519.4							
	OBS	00150	17.41	36.465	26.56		1519.0							
	OBS	00200	17.12	36.418	26.59		1518.9							
	OBS	00250	16.96	36.397	26.61		1519.2							
	OBS	00300	16.91	36.417	26.64		1519.9							
	OBS	00315	16.94	36.420	26.64		1520.3							
	OBS	00400	16.10	36.237	26.69		1518.9							
	OBS	00500	14.72	35.970	26.80		1515.9							
	OBS	00600	13.02	35.749	26.99		1511.7							
	OBS	00700	11.64	35.569	27.12		1508.4							
	OBS	00800	09.64	35.327	27.29		1502.6							
	OBS	00900	07.96	35.235	27.48		1497.9							

REFID 31 8117 YEAR 1969 BOTDP 01262 AIR TEMP 25.0 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0002 MONTH 07 SHIP CO WET BULB 24.0 24 2 2 WIND-SPD 12 TRACE DIR U 5 SQUARE 4
LAT 35 10 N DAY 20 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 38 W HOUR 06.4 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E30 002 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.4	OBS	00000	25.17	36.670	24.57		1537.1							
	OBS	00010	24.88	36.674	24.66		1536.6							
	OBS	00020	21.68	36.674	25.60		1528.9							
	OBS	00030	20.78	36.652	25.83		1526.7							
	OBS	00050	19.78	36.634	26.08		1524.3							
	OBS	00075	18.11	36.555	26.45		1519.9							
	OBS	00100	17.69	36.505	26.52		1519.0							
	OBS	00125	17.38	36.455	26.56		1518.5							
	OBS	00150	17.25	36.441	26.58		1518.5							
	OBS	00200	17.05	36.418	26.61		1518.7							
	OBS	00250	16.94	36.412	26.63		1519.2							
	OBS	00300	16.94	36.421	26.64		1520.0							
	OBS	00350	16.90	36.423	26.65		1520.7							
	OBS	00400	16.68	36.371	26.66		1520.8							
	OBS	00500	15.33	36.094	26.76		1518.0							
	OBS	00600	13.42	35.784	26.93		1513.1							
	OBS	00700	11.98	35.585	27.07		1509.6							
	OBS	00800	09.96	35.377	27.27		1503.9							
	OBS	00900	08.33	35.225	27.42		1499.3							
	OBS	01000	07.28	35.214	27.57		1496.9							

REFID 31 8117 YEAR 1969 BCTDP 04389 AIR TEMP 26.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 07 SHIP CO WET BULB 23.8 23 2 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 20 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 57 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E30 003 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	25.56	36.549	24.36		1537.9							
	OBS	00010	25.42	36.571	24.42		1537.7							
	OBS	00020	25.34	36.658	24.51		1537.8							
	OBS	00030	22.59	36.663	25.33		1531.3							
	OBS	00050	20.99	36.613	25.74		1527.5							
	OBS	00075	19.14	36.538	26.18		1522.8							
	OBS	00100	18.15	36.540	26.43		1520.4							
	OBS	00125	17.93	36.508	26.46		1520.1							
	OBS	00150	17.62	36.459	26.50		1519.6							
	OBS	00200	17.21	36.399	26.55		1519.1							
	OBS	00250	16.98	36.389	26.60		1519.3							
	OBS	00300	17.02	36.394	26.60		1520.2							
	OBS	00350	16.77	36.347	26.62		1520.2							
	OBS	00400	16.21	36.214	26.65		1519.2							
	OBS	00500	15.08	36.008	26.75		1517.1							
	OBS	00600	13.29	35.746	26.93		1512.6							
	OBS	00700	11.80	35.538	27.06		1509.0							
	OBS	00800	10.09	35.344	27.22		1504.3							
	OBS	00850	08.67	35.206	27.35		1499.7							
	OBS	00900	08.13	35.243	27.46		1498.6							
	OBS	00922	08.01	35.255	27.49		1498.5							
	OBS	01000	07.54	35.256	27.56		1499.0							
	OBS	01100	06.66	35.208	27.65		1496.1							
	OBS	01200	06.11	35.211	27.73		1495.6							

TABLE X.—Continued

REFID 31 8117	YEAR 1969	BOTDP 04023	AIR TEMP 25.2	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 07	SHIP CO	WET BULB 23.7	25 3 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 35 07 N	DAY 20	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 50 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E30 004	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	25.52	36.673	24.47		1537.9							
	OBS	00010	25.51	36.673	24.47		1538.0							
	OBS	00020	24.71	36.736	24.78		1536.4							
	OBS	00030	22.78	36.778	25.36		1531.9							
	OBS	00050	20.56	36.615	25.86		1526.4							
	OBS	00075	19.16	36.534	26.17		1522.9							
	OBS	00100	17.91	36.493	26.45		1519.7							
	OBS	00125	17.68	36.472	26.50		1519.4							
	OBS	00150	17.43	36.439	26.53		1519.0							
	OBS	00200	17.07	36.401	26.59		1518.7							
	OBS	00250	16.88	36.374	26.61		1518.9							
	OBS	00300	16.70	36.336	26.63		1519.2							
	OBS	00400	15.57	36.162	26.76		1517.2							
	OBS	00500	14.56	35.930	26.80		1515.3							
	OBS	00600	13.04	35.726	26.96		1511.8							
	OBS	00700	11.77	35.564	27.05		1508.9							
	OBS	00800	09.36	35.239	27.27		1501.5							
	OBS	00820	09.11	35.266	27.33		1500.9							
	OBS	00870	08.31	35.186	27.39		1496.7							
	OBS	00900	08.21	35.203	27.42		1498.8							
	OBS	00950	08.08	35.261	27.49		1499.2							
	OBS	01000	07.36	35.199	27.54		1497.2							
	OBS	01100	06.64	35.185	27.63		1496.0							
	OBS	01200	06.13	35.191	27.71		1495.7							
	OBS	01300	05.63	35.128	27.72		1495.3							
	OBS	01400	04.91	35.054	27.75		1493.9							
	OBS	01500	04.61	35.030	27.77		1494.3							

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REFID 31 8117	YEAR 1969	BOTDP 02834	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0005	MONTH 07	SHIP CO	WET BULB 23.1	22 2 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 35 09 N	DAY 21	DATA USE 1	BAROMETR 1025.2	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 43 W	HOUR 05.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E30 005	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.6	OBS	00000	25.43	36.638	24.47		1537.7							
	OBS	00010	25.44	36.639	24.46		1537.8							
	OBS	00020	24.46											
	OBS	00030	22.46											
	OBS	00050	20.71	36.657	25.85		1526.8							
	OBS	00075	19.09											
	OBS	00100	18.09	36.487	26.41		1520.2							
	OBS	00125	17.62	36.467	26.51		1519.2							
	OBS	00150	17.37	36.461	26.56		1518.9							
	OBS	00200	17.03	36.415	26.61		1518.6							
	OBS	00250	16.84	36.380	26.63		1518.8							
	OBS	00300	16.65											
	OBS	00400	15.86	36.169	26.70		1518.1							
	OBS	00500	14.61	35.938	26.80		1515.5							
	OBS	00600	13.21	35.747	26.95		1512.4							
	OBS	00700	11.63	35.529	27.09		1508.4							
	OBS	00800	09.91	35.331	27.24		1503.6							
	OBS	00900	08.43	35.186	27.37		1499.6							
	OBS	00950	08.12	35.256	27.48		1499.4							
	OBS	01000	07.26	35.158	27.53		1496.8							
	OBS	01100	06.49	35.164	27.64		1495.4							
	OBS	01200	05.96	35.163	27.71		1495.0							
	OBS	01300	05.41	35.122	27.74		1494.4							
	OBS	01400	04.89	35.059	27.76		1493.8							
	OBS	01500	04.56	35.025	27.77		1494.1							

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 BOTDP 01559 AIR TEMP 26.0 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 07 SHIP CO WET BULB 23.2 23 2 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 12 N DAY 21 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 42 W HOUR 12.0 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E30 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	25.41	36.645	24.48		1537.6							
	OBS	00010	25.41	36.646	24.48		1537.8							
	OBS	00020	24.39	36.661	24.74		1536.1							
	OBS	00030	23.61											
	OBS	00050	21.12	36.639	25.73		1527.9							
	OBS	00075	19.30	36.507	26.11		1523.2							
	OBS	00100	17.97	36.489	26.44		1519.8							
	OBS	00125	17.62	36.469	26.51		1519.2							
	OBS	00150	17.40	36.434	26.53		1518.9							
	OBS	00200	17.08	36.389	26.58		1518.7							
	OBS	00250	16.85	36.362	26.61		1518.8							
	OBS	00300	16.74	36.352	26.63		1519.3							
	OBS	00400	15.96	36.184	26.68		1518.4							
	OBS	00500	14.86	35.974	26.77		1516.3							
	OBS	00600	13.36	35.758	26.92		1512.9							
	OBS	00700	11.95	35.547	27.04		1509.5							
	OBS	00800	09.97	35.238	27.16		1503.7							
	OBS	00824	09.44	35.282	27.29		1502.2							
	OBS	00849	08.92	35.236	27.34		1500.7							
	OBS	00860	08.53	35.200	27.37		1499.3							
	OBS	00900	08.39	35.254	27.43		1499.6							
	OBS	00915	08.31	35.262	27.45		1499.5							
	OBS	01000	07.13	35.174	27.46		1496.3							
	OBS	01100	06.73	35.195	27.63		1496.4							
	OBS	01200	06.02	35.164	27.70		1495.2							
	OBS	01300	05.40	35.097	27.73		1494.3							
	OBS	01400	04.80	35.037	27.75		1493.4							
	OBS	01500	04.51	35.027	27.77		1493.9							

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REFID 31 8117 YEAR 1969 BOTDP 01918 AIR TEMP 25.9 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0007 MONTH 07 SHIP CO WET BULB 23.6 25 2 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 13 N DAY 21 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 41 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E30 007 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	25.47	36.602	24.43		1537.7							
	OBS	00010	25.13	36.571	24.51		1537.1							
	OBS	00020	24.93	36.561	24.56		1536.7							
	OBS	00030	22.44	36.622	25.34		1530.9							
	OBS	00050	20.44	36.596	25.88		1526.0							
	OBS	00075	18.97	36.534	26.22		1522.3							
	OBS	00100	18.30	36.528	26.38		1520.8							
	OBS	00125	17.74	36.486	26.49		1519.6							
	OBS	00150	17.36	36.418	26.53		1518.8							
	OBS	00200	17.05	36.377	26.58		1518.6							
	OBS	00250	17.00	36.394	26.60		1519.3							
	OBS	00300	16.94	36.398	26.62		1520.0							
	OBS	00400	16.62	36.330	26.64		1520.6							
	OBS	00500	15.22	36.029	26.73		1517.6							
	OBS	00600	13.80	35.791	26.86		1514.4							
	OBS	00700	12.31	35.600	27.01		1510.8							
	OBS	00800	10.30	35.328	27.17		1505.0							
	OBS	00900	08.44	35.205	27.39		1499.7							
	OBS	01000	07.33	35.177	27.53		1497.1							
	OBS	01075	07.11	35.235	27.61		1497.5							
	OBS	01100	06.88	35.217	27.63		1497.0							
	OBS	01200	06.30	35.192	27.69		1496.4							
	OBS	01300	05.44	35.110	27.73		1494.5							
	OBS	01400	04.84	35.053	27.76		1493.6							
	OBS	01500	04.55	35.058	27.79		1494.1							

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 BOTDP 02110 AIR TEMP 25.2 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0008 MONTH 07 SHIP CO WET BULB 23.2 24 2 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 21 DATA USE 1 BAROMETR 1027.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 47 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E30 008 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000		36.648										
	OBS	00010		36.610										
	OBS	00020		36.650										
	OBS	00030		36.569										
	OBS	00050		36.531										
	OBS	00075		36.487										
	OBS	00100		36.488										
	OBS	00125		36.448										
	OBS	00150		36.427										
	OBS	00200		36.403										
	OBS	00250		36.388										
	OBS	00270		36.383										
	OBS	00300		36.385										
	OBS	00400		36.173										
	OBS	00500		36.948										
	OBS	00600		35.739										
	OBS	00700		35.519										
	OBS	00800		35.328										
	OBS	00900		35.194										
	OBS	01000		35.170										
	OBS	01100		35.190										
	OBS	01200		35.206										
	OBS	01320		35.106										
	OBS	01400		35.065										
	OBS	01500		35.043										

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REFID 31 8117 YEAR 1969 BOTDP 02547 AIR TEMP 25.1 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0009 MONTH 07 SHIP CO WET BULB 23.5 25 0 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 58 N DAY 22 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 46 W HOUR 05.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E30 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.7	OBS	00000		36.621										
	OBS	00010		36.616										
	OBS	00020		36.587										
	OBS	00030		36.611										
	OBS	00050		36.528										
	OBS	00075		36.467										
	OBS	00100		36.435										
	OBS	00125		36.408										
	OBS	00150		36.389										
	OBS	00200		36.359										
	OBS	00250		36.328										
	OBS	00300		36.266										
	OBS	00400		36.101										
	OBS	00500		35.927										
	OBS	00600		35.766										
	OBS	00700		35.498										
	OBS	00800		35.347										
	OBS	00950		35.254										
	OBS	01000		35.165										
	OBS	01100		35.156										
	OBS	01200		35.127										
	OBS	01300		35.121										
	OBS	01400		35.077										
	OBS	01500		35.051										

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REFID 31 8117 YEAR 1969 BOTDP 02020 AIR TEMP 27.0 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 07 SHIP CO WET BULB 23.5 26 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 22 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 49 W HOUR 19.2 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E30 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.2	OBS	00000	26.18	36.654	24.25		1539.4							
19.2	OBS	00025	25.14	36.669	24.58		1537.4							
19.2	OBS	00050	20.72	36.572	25.78		1526.7							
19.2	OBS	00073	18.90	36.506	26.21		1522.1							
19.2	OBS	00099	18.06	36.478	26.41		1520.1							
19.2	OBS	00149	17.29	36.404	26.54		1518.5							
19.2	OBS	T00198	17.00	36.402	26.61		1518.5							

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 BOTDP 03224 AIR TEMP 25.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 07 SHIP CO WET BULB 22.9 24 1 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 11 N DAY 23 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	25.82	36.603	24.32		1538.5							
12.0	OBS	00050	21.12											
12.0	OBS	00077	19.33											
12.0	OBS	00102	17.88											
12.0	OBS	00129	17.49											
12.0	OBS	00155	17.28											
12.0	OBS	T00260	16.82											
12.0	OBS	00366	16.08											
12.0	OBS	00471	15.03											
12.0	OBS	00977	13.36	35.738	26.91		1512.5							
12.0	OBS	00683	11.59	35.499	27.07		1507.9							
12.0	OBS	00894	08.25	35.214	27.42		1498.9							
12.0	OBS	01103	06.57	35.173	27.63		1495.8							
12.0	OBS	T01629	04.35	35.061	27.82		1495.5							

REFID 31 8117 YEAR 1969 BOTDP 01152 AIR TEMP 26.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 07 SHIP CO WET BULB 24.4 23 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 08 N DAY 24 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 18.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 012 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.8	OBS	00000	25.86	36.434	24.18		1538.4							
18.8	OBS	00024	24.30	36.578	24.77		1535.3							
18.8	OBS	00047	20.66	36.586	25.81		1526.5							
18.8	OBS	00071	18.96	36.524	26.21		1522.2							
18.8	OBS	00096	18.13	36.531	26.43		1520.3							
18.8	OBS	00141	17.72	36.487	26.50		1519.8							
18.8	OBS	T00192	17.29	36.414	26.55		1519.3							

REFID 31 8117 YEAR 1969 BOTDP 04339 AIR TEMP 26.9 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 07 SHIP CO WET BULB 24.1 23 1 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 26 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 45 W HOUR 15.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E30 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.9	OBS	00000	26.06	36.377	24.07		1538.8							
15.9	OBS	00022	23.99	36.595	24.87		1534.6							
15.9	OBS	00043	20.95	36.597	25.74		1527.3							
15.9	OBS	00065	18.72	36.548	26.29		1521.5							
15.9	OBS	00086	18.33	36.546	26.39		1520.7							
15.9	OBS	00129	17.71	36.478	26.49		1519.5							
15.9	OBS	00171	17.33	36.434	26.55		1519.1							
15.9	OBS	00256	16.91	36.385	26.62		1519.2							
15.9	OBS	T00341	16.77	36.363	26.63		1520.1							
15.9	OBS	00430	16.01	36.205	26.69		1519.1							
15.9	OBS	00518	14.94	36.005	26.78		1516.9							
15.9	OBS	00695	12.22	35.569	27.01		1513.4							
15.9	OBS	T00852	08.65	35.186	27.34		1499.7							
15.9	OBS	T01329	05.63	35.195	27.77		1495.8							

REFID 31 8117 YEAR 1969 BOTDP 04828 AIR TEMP 26.0 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 07 SHIP CO WET BULB 23.2 28 2 4 WIND-SPD 09 TRACE DIR 5 SQUARE 2
LAT 34 49 N DAY 27 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53 W HOUR 12.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E30 014 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	26.49	36.560	24.08		1540.0							
12.9	OBS	00024	24.52	36.576	24.70		1535.9							
12.9	OBS	00049	20.59	36.586	25.83		1526.4							
12.9	OBS	00073	19.52	36.560	26.10		1523.8							
12.9	OBS	00098	18.53	36.552	26.34		1521.5							
12.9	OBS	00146	17.97	36.496	26.44		1520.6							
12.9	OBS	00971	07.71	35.175	27.47		1498.0							
12.9	OBS	T01459	04.95	35.085	27.77		1495.1							

TABLE X.—Continued

REFID 31 8117 YEAR 1969 BOTDP 03895 AIR TEMP 26.9 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 07 SHIP CO WET BULB 23.7 25 3 3 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 49 N DAY 28 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 015 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	26.58	36.583	24.06		1540.2							
12.3	OBS	00025	25.14	36.578	24.51		1537.3							
12.3	OBS	00051		36.529										
12.3	OBS	00076	18.43	36.550	26.37		1520.8							
12.3	OBS	00102	18.00	36.518	26.45		1520.0							
12.3	OBS	00152	17.50	36.447	26.52		1519.3							
12.3	OBS	T00203	17.17	36.401	26.57		1519.1							
12.3	OBS	00305	17.04	36.384	26.58		1520.3							
12.3	OBS	T00407	16.79	36.353	26.62		1521.2							
12.3	OBS	00508	15.38	36.071	26.73		1518.2							
12.3	OBS	T00612	13.77	35.806	26.88		1514.5							
12.3	OBS	00812	09.91	35.345	27.26		1503.9							
12.3	OBS	T01010	07.18	35.183	27.56		1496.6							
12.3	OBS	T01522	04.76	35.028	27.75		1495.3							

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REFID 31 8117 YEAR 1969 BOTDP 04420 AIR TEMP 27.0 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 07 SHIP CO WET BULB 24.0 10 3 3 WIND-SPD 04 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 29 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.5 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E30 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	26.81	36.584	23.99		1540.7							
12.5	OBS	00025	24.72	36.663	24.70		1536.4							
12.5	OBS	00051	21.15	36.638	25.72		1528.0							
12.5	OBS	00075	19.49	36.547	26.09		1523.8							
12.5	OBS	00101	18.29	36.514	26.38		1520.8							
12.5	OBS	00151	17.74	36.453	26.47		1520.0							
12.5	OBS	T00203	17.51	36.431	26.51		1520.1							
12.5	OBS	00303	16.93	36.350	26.58		1519.9							
12.5	OBS	T00401	16.43	36.268	26.64		1519.9							
12.5	OBS	00505	15.25	36.018	26.72		1517.7							
12.5	OBS	00608	13.51	35.752	26.89		1513.5							
12.5	OBS	00809	09.75	35.314	27.26		1503.2							
12.5	OBS	01011	07.04	35.160	27.56		1496.1							
12.5	OBS	T01520	04.56	35.083	27.81		1494.5							

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REFID 31 8117 YEAR 1969 BOTDP 02748 AIR TEMP 25.2 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 07 SHIP CO WET BULB 22.0 35 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 30 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 12.4 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E30 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	26.78	36.588	24.01		1540.7							
12.4	OBS	00025	23.94	36.655	24.93		1534.6							
12.4	OBS	00049	21.01	36.586	25.72		1527.5							
12.4	OBS	00073	18.98	36.524	26.21		1522.3							
12.4	OBS	00097	18.48	36.560	26.36		1521.3							
12.4	OBS	00146		36.504										
12.4	OBS	T00198	17.29	36.417	26.55		1519.4							
12.4	OBS	00295	17.06	36.429	26.61		1520.3							
12.4	OBS	T00392	16.96	36.405	26.62		1521.6							
12.4	OBS	00496	15.67	36.136	26.71		1519.0							
12.4	OBS	T00598	13.68	35.793	26.88		1513.9							
12.4	OBS	00804	09.76	35.297	27.24		1503.1							
12.4	OBS	T01012	06.96	35.170	27.58		1495.8							
12.4	OBS	T01562	04.36	35.046	27.81		1494.4							

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REFID 31 8117 YEAR 1969 BOTDP 04073 AIR TEMP 25.2 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 07 SHIP CO WET BULB 21.3 03 2 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 31 DATA USE 1 BAROMETR 1026.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 16 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E30 018 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	26.77	36.628	24.04		1540.7							
12.8	OBS	00026	22.42	36.679	25.39		1530.9							
12.8	OBS	00051	20.69	36.644	25.85		1526.8							
12.8	OBS	00077	19.55	36.600	26.12		1524.0							
12.8	OBS	00101	18.65	36.558	26.32		1521.9							
12.8	OBS	00154	17.94	36.512	26.46		1520.7							
12.8	OBS	T00207	17.53	36.446	26.51		1520.3							
12.8	OBS	00306	17.01	36.393	26.60		1520.3							
12.8	OBS	T00403	16.63	36.326	26.64		1520.7							
12.8	OBS	00509	15.26	36.063	26.75		1517.9							
12.8	OBS	T00612	13.53	35.761	26.89		1513.6							
12.8	OBS	00819	09.58	35.328	27.30		1502.7							
12.8	OBS	T01028	06.98	35.180	27.58		1496.2							
12.8	OBS	T01570	04.26	35.022	27.80		1494.0							

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TABLE X.—Continued

REFID 31 6117 YEAR 1969 BOTDP 04266 AIR TEMP 26.2 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 08 SHIP CO WET BULB 21.2 04 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 01 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 12.4 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E30 019 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	26.51	36.604	24.10		1540.1							
12.4	OBS	00026	24.33	36.696	24.85		1535.6							
12.4	OBS	00052	21.37	36.701	25.70		1528.6							
12.4	OBS	00078	19.56	36.544	26.07		1524.0							
12.4	OBS	00104	18.31	36.599	26.44		1521.0							
12.4	OBS	00156	17.81	36.485	26.47		1520.3							
12.4	OBS	T00211	17.27	36.406	26.54		1519.5							
12.4	OBS	00311	17.07	36.420	26.60		1520.6							
12.4	OBS	T00412	16.76	36.350	26.62		1521.2							
12.4	OBS	00518	15.28	36.060	26.74		1518.1							
12.4	OBS	T00624	13.59	35.769	26.88		1514.0							
12.4	OBS	00832	09.43	35.286	27.29		1502.3							
12.4	OBS	T01042	06.83	35.166	27.59		1495.8							
12.4	OBS	01578	04.31	35.064	27.83		1494.4							

REFID 31 8117 YEAR 1969 BOTDP 03952 AIR TEMP 26.1 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0020 MONTH 08 SHIP CO WET BULB 22.2 01 1 3 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 02 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 09.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 020 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.8	OBS	00000	26.71	36.615	24.05		1540.5							
09.8	OBS	00023	25.06	36.644	24.59		1537.2							
09.8	OBS	00048	21.30	36.587	25.64		1528.2							
09.8	OBS	00071	19.27	36.528	26.14		1523.1							
09.8	OBS	00095	18.28	36.525	26.39		1520.7							
09.8	OBS	00142	17.74	36.477	26.48		1519.8							
09.8	OBS	T00191	17.40	36.427	26.53		1519.6							
09.8	OBS	00288	17.03	36.412	26.61		1520.1							
09.8	OBS	T00380	16.98	36.412	26.62		1521.4							
09.8	OBS	00481	15.82	36.163	26.70		1519.3							
09.8	OBS	T00578	14.07	35.855	26.85		1514.9							
09.8	OBS	00772	10.44	35.359	27.17		1505.1							
09.8	OBS	T00968	07.65	35.210	27.51		1497.8							
09.8	OBS	T01457	04.83	35.099	27.79		1494.6							

REFID 31 8117 YEAR 1969 BOTDP 04321 AIR TEMP 27.0 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0021 MONTH 08 SHIP CO WET BULB 22.2 04 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 03 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 13.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 021 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	26.75	36.659	24.07		1540.7							
13.2	OBS	00025	24.13	36.646	24.87		1535.0							
13.2	OBS	00051	21.10	36.579	25.69		1527.8							
13.2	OBS	00076	19.56	36.570	26.09		1524.0							
13.2	OBS	00102	18.50											
13.2	OBS	00151	17.74	36.478	26.49		1520.0							
13.2	OBS	T00205	17.38	36.423	26.53		1519.8							
13.2	OBS	00303	17.04	36.403	26.60		1520.3							
13.2	OBS	T00405	16.61											
13.2	OBS	00504	15.43	36.060	26.71		1518.3							
13.2	OBS	T00606	13.59	35.763	26.88		1513.7							
13.2	OBS	00808	09.96	35.254	27.25		1504.0							
13.2	OBS	T01009	07.22	35.148	27.52		1496.7							
13.2	OBS	T01521	04.77	35.095	27.80		1495.4							

REFID 31 8117 YEAR 1969 BOTDP 02440 AIR TEMP 26.2 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0022 MONTH 08 SHIP CO WET BULB 23.0 36 3 3 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 04 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 13.6 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 022 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	26.96	36.644	23.99		1541.1							
13.6	OBS	00025	24.93	36.656	24.63		1536.9							
13.6	OBS	00051	20.98	36.641	25.77		1527.5							
13.6	OBS	00076	18.93	36.556	26.25		1522.2							
13.6	OBS	00102	18.28	36.530	26.39		1520.8							
13.6	OBS	00152	17.84	36.470	26.45		1520.3							
13.6	OBS	T00204	17.52	36.443	26.51		1520.2							
13.6	OBS	00303	17.07	36.382	26.57		1520.4							
13.6	OBS	T00397	16.77											
13.6	OBS	00500	15.65	36.117	26.70		1519.0							
13.6	OBS	00599	14.20	35.803	26.78		1515.7							
13.6	OBS	00799	10.04	35.328	27.22		1504.1							
13.6	OBS	T01000	07.34	35.175	27.53		1497.1							
13.6	OBS	T01513	04.49	35.054	27.80		1494.1							

TABLE X.—Continued

REFID 31 8117 YEAR 1969 BOTDP 04755 AIR TEMP 26.2 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0023 MONTH 08 SHIP CC WET BULB 23.7 31 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 51 N DAY 05 DATA USE 1 BAROMETR 1024.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E30 025 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	26.85	36.644	24.02		1540.9							
12.1	OBS	00027	23.71	36.667	25.01		1534.1							
12.1	OBS	00053	20.53	36.645	25.89		1526.4							
12.1	OBS	00081	19.02	36.577	26.24		1522.6							
12.1	OBS	00107	18.24	36.528	26.40		1520.6							
12.1	OBS	00166	17.71	36.479	26.49		1520.1							
12.1	OBS	00215	17.30	36.396	26.53		1519.6							
12.1	OBS	00321	17.03	36.398	26.60		1520.0							
12.1	OBS	T00427	16.68	36.338	26.63		1521.2							
12.1	OBS	00535	15.02	36.010	26.76		1517.5							
12.1	OBS	T00645	13.16	35.709	26.92		1512.9							
12.1	OBS	00857	09.29	35.269	27.30		1502.2							
12.1	OBS	T01073	06.77	35.202	27.63		1496.1							
12.1	OBS	T01618	04.17	35.036	27.82		1494.5							

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REFID 31 8117 YEAR 1969 BOTDP 04540 AIR TEMP 26.7 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0024 MONTH 08 SHIP CC WET BULB 24.1 33 3 3 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 06 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 024 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	26.79	36.467	23.91		1540.6							
13.9	OBS	00026	23.06	36.597	25.15		1532.4							
13.9	OBS	00052	20.84	36.577	25.76		1527.1							
13.9	OBS	00078	19.74	36.516	26.00		1524.5							
13.9	OBS	00103	18.04	36.492	26.42		1520.1							
13.9	OBS	00155	17.47	36.432	26.52		1519.2							
13.9	OBS	T00206	17.22	36.425	26.57		1519.3							
13.9	OBS	00306	17.07	36.420	26.60		1520.5							
13.9	OBS	T00406	16.48	36.290	26.64		1520.2							
13.9	OBS	00508	15.11	36.004	26.74		1517.3							
13.9	OBS	00609	13.62	35.776	26.88		1513.9							
13.9	OBS	00813	10.06	35.331	27.22		1504.4							
13.9	OBS	T01016	07.35	35.196	27.54		1497.4							
13.9	OBS	T01554	04.43	35.060	27.81		1494.5							

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REFID 31 8117 YEAR 1969 BOTDP 04773 AIR TEMP 27.5 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0025 MONTH 08 SHIP CC WET BULB 23.6 20 WIND-SPD 02 TRACE DIR 5 SQUARE 2
LAT 34 48 N DAY 07 DATA USE 1 BAROMETR 1025.8 SEA 3 WIND-FOR DURATION 2 SQUARE 48
LONG 048 11 W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 025 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	27.15	36.645	23.93		1541.5							
12.9	OBS	00023	23.88	36.654	24.95		1534.4							
12.9	OBS	00047	20.73	36.637	25.83		1526.8							
12.9	OBS	00070	18.73	36.565	26.30		1521.6							
12.9	OBS	00095	18.07	36.534	26.45		1520.1							
12.9	OBS	00142	17.71	36.484	26.50		1519.8							
12.9	OBS	T00190	17.38	36.423	26.53		1519.5							
12.9	OBS	00288	16.97	36.395	26.61		1519.9							
12.9	OBS	T00386	16.97	36.407	26.62		1521.5							
12.9	OBS	00481	15.98	36.183	26.68		1519.8							
12.9	OBS	00580	14.36	35.925	26.84		1516.0							
12.9	OBS	00770	10.48	35.358	27.17		1505.2							
12.9	OBS	T00965	07.57	35.196	27.51		1497.4							
12.9	OBS	T01466	04.72	35.082	27.79		1494.3							

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REFID 31 8117 YEAR 1969 BOTDP 04240 AIR TEMP 27.1 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0026 MONTH 08 SHIP CC WET BULB 24.1 19 3 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 08 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E30 026 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	27.02	36.650	23.97		1541.3							
12.3	OBS	00025	23.67	36.673	25.03		1533.9							
12.3	OBS	00050	20.56	36.643	25.88		1526.4							
12.3	OBS	00076	18.66	36.559	26.32		1521.5							
12.3	OBS	00101	18.21	36.540	26.42		1520.6							
12.3	OBS	00152	17.80	36.492	26.48		1520.2							
12.3	OBS	00203	17.35	36.421	26.54		1519.6							
12.3	OBS	00304	17.06	36.422	26.61		1520.4							
12.3	OBS	T00406	16.96	36.410	26.62		1521.8							
12.3	OBS	00509	15.49	36.094	26.72		1518.6							
12.3	OBS	00613	13.58	35.767	26.86		1513.8							
12.3	OBS	00823	09.61	35.330	27.29		1502.9							
12.3	OBS	T01031	07.08	35.196	27.58		1496.6							
12.3	OBS	T01578	04.29											

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TABLE X.—Continued

REFID	31 8117	YEAR 1969	BOTDP 04664	AIR TEMP	27.9	DIR HGT PER		WIND-DIR 22	INST NANSEN CAST		TEN SQ 1206
CONSEC	0027	MONTH 08	SHIP CO	WET BULB	24.1	31 2 3		WIND-SPD 12	TRACE DIR		5 SQUARE 2
LAT	34 41 N	DAY 09	DATA USE 1	BAROMETR	1025.6	SEA		WIND-FOR	DURATION		2 SQUARE 48
LONG	048 06 W	HOUR 13.7	AREA 05	CLOUD T/A	8/2	CL/TR		WEATHER X1	ORIG E30 027		1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	27.04	36.534	23.88		1541.2							
13.7	OBS	00025	26.60	36.549	24.03		1540.6							
13.7	OBS	00050	21.17	36.574	25.66		1527.9							
13.7	OBS	00075	18.94	36.502	26.20		1522.2							
13.7	OBS	00100	18.30	36.478	26.35		1520.8							
13.7	OBS	00149	17.65	36.453	26.49		1519.7							
13.7	OBS	T00200	17.32	36.408	26.53		1519.5							
13.7	OBS	00299	17.02	36.384	26.59		1520.2							
13.7	OBS	00397	16.69	36.330	26.63		1520.7							
13.7	OBS	00497	15.57	36.098	26.71		1518.7							
13.7	OBS	T00596	13.82	35.812	26.87		1514.4							
13.7	OBS	00794	10.16	35.334	27.20		1504.4							
13.7	OBS	T00984	07.53	35.207	27.53		1497.6							
13.7	OBS	T01492	04.60	35.092	27.82		1494.2							

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REFID	31 8117	YEAR 1969	BOTDP 04663	AIR TEMP	26.9	DIR HGT PER		WIND-DIR 24	INST NANSEN CAST		TEN SQ 1207
CONSEC	0028	MONTH 08	SHIP CO	WET BULB	24.3	29 2 3		WIND-SPD 10	TRACE DIR		5 SQUARE 3
LAT	35 44 N	DAY 10	DATA USE 1	BAROMETR	1026.2	SEA		WIND-FOR	DURATION		2 SQUARE 40
LONG	050 00 W	HOUR 12.9	AREA 05	CLOUD T/A	8/5	CL/TR		WEATHER X1	ORIG E30 026		1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	26.99	36.327	23.74		1540.8							
12.9	OBS	00024	26.52	36.369	23.92		1540.2							
12.9	OBS	00047	21.05	36.279	25.47		1527.2							
12.9	OBS	00072	18.58	36.271	26.12		1520.9							
12.9	OBS	00095	16.97	36.254	26.50		1516.5							
12.9	OBS	00143	15.40	36.118	26.76		1512.4							
12.9	OBS	T00192	14.90	36.029	26.80		1511.5							
12.9	OBS	00284	13.85	35.829	26.88		1509.4							
12.9	OBS	T00376	12.82	35.642	26.94		1507.2							
12.9	OBS	00466	11.38	35.461	27.08		1503.5							
12.9	OBS	T00558	09.70	35.261	27.23		1498.8							
12.9	OBS	00739	07.21	35.113	27.50		1492.2							
12.9	OBS	T00926	05.91	35.129	27.69		1490.2							
12.9	OBS	T01424	04.23	35.032	27.81		1491.5							

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TABLE XI.–Observed and interpolated oceanographic data for stations taken by USCGC McCULLOCH at Ocean Station ECHO, 11 August 1969 - 3 September 1969, prepared from NODC listing No. 31 - 1525.

REFID 31 1525	YEAR 1969	BOTDP 05120	AIR TEMP 28.2	DIR HGT PER	WIND-DIR 03	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 08	SHIP ML	WET BULB 24.3	31 3 2	WIND-SPD 03	TRACE DIR	5 SQUARE 4
LAT 35 18 N	DAY 12	DATA USE 1	BAROMETR 1026.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 59 W	HOUR 13.7	AREA 05	CLOUD T/A 8/1	CL/TR	WEATHER X1	ORIG E31 001	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	29.96	36.214	22.67		1547.0							
13.7	OBS	00025	24.57	36.159	24.37		1535.5							
13.7	OBS	00050	20.32	36.472	25.82		1525.5							
13.7	OBS	00075	18.84	36.484	26.20		1521.9							
13.7	OBS	00101	18.01	36.500	26.44		1520.0							
13.7	OBS	00151	17.47	36.456	26.53		1519.2							
13.7	OBS	00202	17.15	36.432	26.59		1519.0							
13.7	OBS	00303	17.05	36.432	26.62		1520.4							
13.7	OBS	T00404	16.79	36.373	26.63		1521.2							
13.7	OBS	00505	15.68	36.154	26.73		1519.2							
13.7	OBS	00605	14.16											
13.7	OBS	00806	10.55	35.300	27.11		1506.0							
13.7	OBS	01007	06.60	35.054	27.54		1494.2							
13.7	OBS	T01508	04.54	35.042	27.78		1494.3							

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REFID 31 1525	YEAR 1969	BOTDP 04580	AIR TEMP 28.8	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 08	SHIP ML	WET BULB 24.0	31 1 3	WIND-SPD 03	TRACE DIR	5 SQUARE 2
LAT 34 59 N	DAY 13	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 48 W	HOUR 16.8	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E31 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.8	OBS	00000	27.45	36.359	23.62		1541.9							
16.8	OBS	00026	23.77	36.442	24.82		1533.9							
16.8	OBS	00052	18.51	36.490	26.30		1520.6							
16.8	OBS	00078	18.04	36.494	26.42		1519.7							
16.8	OBS	00105	17.68	36.478	26.50		1519.1							
16.8	OBS	00156	17.26	36.442	26.57		1518.6							
16.8	OBS	T00210	17.06	36.422	26.61		1518.9							
16.8	OBS	00311	17.03	36.434	26.62		1520.5							
16.8	OBS	T00413	16.86	36.402	26.64		1521.6							
16.8	OBS	00514	15.76	36.176	26.72		1519.7							
16.8	OBS	00618	14.06	35.852	26.85		1515.8							
16.8	OBS	00821	09.46	35.202	27.22		1502.2							
16.8	OBS	T01027	05.83	35.015	27.61		1491.4							
16.8	OBS	T01529	04.18	35.001	27.79		1493.0							

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REFID 31 1525	YEAR 1969	BOTDP 05120	AIR TEMP 28.3	DIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 08	SHIP ML	WET BULB 25.2	31 3 2	WIND-SPD 05	TRACE DIR	5 SQUARE 2
LAT 34 56.1N	DAY 14	DATA USE 1	BAROMETR 1024.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 11.2W	HOUR 14.3	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E31 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.3	OBS	00000	27.73	36.223	23.42		1542.3							
14.3	OBS	00024	23.84	36.397	24.77		1534.0							
14.3	OBS	00050	19.54	36.502	26.05		1523.5							
14.3	OBS	00075	18.40	36.502	26.34		1520.7							
14.3	OBS	00100	17.90	36.496	26.46		1519.6							
14.3	OBS	00149	17.31	36.446	26.57		1518.7							
14.3	OBS	00200	17.09	36.436	26.61		1518.8							
14.3	OBS	00301	17.09	36.446	26.62		1520.5							
14.3	OBS	T00405	17.00	36.434	26.63		1521.9							
14.3	OBS	00501	16.04	36.226	26.70		1520.4							
14.3	OBS	T00600	14.15	35.868	26.84		1515.6							
14.3	OBS	00802	10.69	35.320	27.10		1506.5							
14.3	OBS	T01008	07.46	35.225	27.55		1497.8							
14.3	OBS	T01508	04.47	35.035	27.78		1493.9							

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTDP 03840 AIR TEMP 27.2 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 08 SHIP ML WET BULB 24.2 27 2 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 15 DATA USE 1 BAROMETR 1020.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 16.8 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X8 ORIG E31 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.8	OBS	00000	27.05	36.260	23.67		1540.9							
16.8	OBS	00025	23.54	36.259	24.75		1533.2							
16.8	OBS	00049	19.34	36.570	26.15		1523.0							
16.8	OBS	00075	18.77	36.530	26.27		1521.8							
16.8	OBS	00100		36.506										
16.8	OBS	00149	17.52	36.458	26.52		1519.3							
16.8	OBS	T00197	17.20	36.428	26.58		1519.1							
16.8	OBS	00292	17.02	36.418	26.61		1520.1							
16.8	OBS	T00386	16.91	36.404	26.63		1521.3							
16.8	OBS	00482	16.04	36.216	26.69		1520.0							
16.8	OBS	00577	14.71	35.963	26.80		1517.1							
16.8	OBS	00764		35.406										
16.8	OBS	T00954	08.01	35.256	27.49		1499.0							
16.8	OBS	T01475	04.65	35.062	27.79		1494.1							

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REFID 31 1525 YEAR 1969 BOTDP 04626 AIR TEMP 24.4 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 08 SHIP ML WET BULB 22.0 28 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 50.0N DAY 16 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09.5W HOUR 13.8 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 ORIG E31 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	26.78	36.191	23.71		1540.2							
13.8	OBS	00028	22.99	36.412	25.03		1532.0							
13.8	OBS	00055	19.49	36.570	26.11		1523.5							
13.8	OBS	00083	18.35	36.555	26.39		1520.7							
13.8	OBS	00110	18.02	36.533	26.46		1520.2							
13.8	OBS	00165	17.45	36.451	26.54		1519.3							
13.8	OBS	T00221	17.13	36.406	26.58		1519.3							
13.8	OBS	00325	17.07	36.440	26.62		1520.8							
13.8	OBS	T00428	16.74	36.362	26.64		1521.4							
13.8	OBS	00537	15.35	36.080	26.74		1518.6							
13.8	OBS	T00640	13.60	35.799	26.91		1514.4							
13.8	OBS	00856	09.56	35.301	27.28		1503.2							
13.8	OBS	T01068	07.10	35.186	27.57		1497.3							
13.8	OBS	T01594	04.26	35.008	27.79		1494.4							

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REFID 31 1525 YEAR 1969 BOTDP 02012 AIR TEMP 23.5 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 08 SHIP ML WET BULB 20.6 35 4 2 WIND-SPD 19 TRACE DIR 5 SQUARE 4
LAT 35 08.0N DAY 17 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09.0W HOUR 15.0 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 ORIG E31 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.0	OBS	00000	26.59	36.296	23.85		1539.9							
15.0	OBS	00023	24.47	36.252	24.47		1535.4							
15.0	OBS	00048	20.11	36.552	25.93		1525.0							
15.0	OBS	00073	19.07	36.560	26.21		1522.6							
15.0	OBS	00098		36.544										
15.0	OBS	00147	17.73	36.488	26.50		1519.9							
15.0	OBS	T00198	17.29	36.424	26.55		1519.4							
15.0	OBS	00293	16.98	36.400	26.61		1520.0							
15.0	OBS	T00389	16.74	36.360	26.64		1520.8							
15.0	OBS	00487	15.97	36.209	26.70		1519.9							
15.0	OBS	00581	14.69	35.965	26.80		1517.1							
15.0	OBS	00767		35.445										
15.0	OBS	T00958	07.74	35.022	27.35		1497.7							
15.0	OBS	01488	04.98	35.057	27.74		1495.7							

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REFID 31 1525 YEAR 1969 BOTDP 03623 AIR TEMP 25.2 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 08 SHIP ML WET BULB 21.0 06 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 10.4N DAY 18 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E31 007 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	26.40	36.260	23.88		1539.5							
13.0	OBS	00026	25.73	36.268	24.09		1538.4							
13.0	OBS	00051	22.22	36.634	25.42		1530.7							
13.0	OBS	00077	20.27	36.614	25.94		1526.0							
13.0	OBS	00101	18.65	36.494	26.27		1521.8							
13.0	OBS	00154	17.75	36.494	26.49		1520.1							
13.0	OBS	T00205	17.30	36.482	26.60		1519.6							
13.0	OBS	00299	17.04	36.425	26.62		1520.3							
13.0	OBS	T00392	16.91	36.405	26.63		1521.4							
13.0	OBS	00487	16.00	36.209	26.69		1520.0							
13.0	OBS	T00580	14.58	35.948	26.81		1516.7							
13.0	OBS	00771		35.453										
13.0	OBS	T00974	06.55	35.022	27.52		1493.4							
13.0	OBS	T01483	04.44	35.026	27.78		1493.3							

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTDP 04572 AIR TEMP 25.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 08 SHIP ML WET BULB 21.9 21 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 19 DATA USE 1 BAROMETR 1020.1 SEA WIND-FCR DURATION 2 SQUARE 48
LONG 048 14 W HOUR 14.0 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E31 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.0	OBS	00000	26.41	36.314	23.92		1539.5							
14.0	OBS	00026	23.47	36.438	24.91		1533.2							
14.0	OBS	00051	19.92	36.566	25.95		1524.6							
14.0	OBS	00078	18.63	36.551	26.32		1521.4							
14.0	OBS	00103	18.00	36.522	26.45		1520.0							
14.0	OBS	00155	17.54	36.462	26.52		1519.4							
14.0	OBS	T00205	17.18	36.413	26.57		1519.1							
14.0	OBS	00307	17.06	36.428	26.61		1520.5							
14.0	OBS	T00411	16.94	36.408	26.63		1521.8							
14.0	OBS	00508	16.05	36.215	26.69		1520.5							
14.0	OBS	T00602	14.06	35.848	26.85		1515.3							
14.0	OBS	00812	09.60	35.244	27.23		1502.6							
14.0	OBS	T01015	07.10	35.171	27.56		1496.4							
14.0	OBS	T01538	04.39	35.007	27.77		1494.0							

REFID 31 1525 YEAR 1969 BOTDP 03931 AIR TEMP 26.9 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 08 SHIP ML WET BULB 22.4 25 4 3 WIND-SPD 04 TRACE DIR 5 SQUARE 2
LAT 34 58.0N DAY 20 DATA USE 1 BAROMETR 1018.7 SEA WIND-FCR DURATION 2 SQUARE 48
LONG 048 09.0W HOUR 12.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E31 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	26.01	36.413	24.12		1538.7							
12.5	OBS	00025	25.94	36.461	24.17		1539.0							
12.5	OBS	00051	20.64	36.495	25.75		1526.4							
12.5	OBS	00076	19.09	36.487	26.15		1522.6							
12.5	OBS	00101	18.10	36.495	26.41		1520.2							
12.5	OBS	00151	17.48	36.453	26.53		1519.2							
12.5	OBS	T00203	17.10	36.399	26.58		1518.9							
12.5	OBS	00301	17.07	36.419	26.60		1520.4							
12.5	OBS	T00397	16.91	36.391	26.62		1521.5							
12.5	OBS	00497	15.87	36.169	26.69		1519.7							
12.5	OBS	T00592	14.22	35.882	26.84		1515.7							
12.5	OBS	00794	10.00	35.272	27.18		1503.8							
12.5	OBS	T00991	07.34	35.193	27.54		1497.0							
12.5	OBS	T01496	04.51	35.027	27.77		1493.8							

REFID 31 1525 YEAR 1969 BOTDP 03931 AIR TEMP 24.2 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 08 SHIP ML WET BULB 23.0 27 2 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 03.0N DAY 21 DATA USE 1 BAROMETR 1018.6 SEA WIND-FCR DURATION 2 SQUARE 48
LONG 048 12.2W HOUR 15.6 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 ORIG E31 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.6	OBS	00000	26.88	36.328	23.78		1540.6							
15.6	OBS	00024	26.57	36.310	23.86		1540.3							
15.6	OBS	00048	22.93	36.431	25.06		1532.2							
15.6	OBS	00072	19.78	36.540	26.01		1524.5							
15.6	OBS	00096	18.54	36.532	26.33		1521.4							
15.6	OBS	00144	17.71	36.472	26.49		1519.8							
15.6	OBS	T00192	17.30	36.432	26.56		1519.3							
15.6	OBS	00284	17.06	36.420	26.61		1520.1							
15.6	OBS	T00373	16.96	36.400	26.62		1521.2							
15.6	OBS	00471	16.01	36.189	26.68		1519.7							
15.6	OBS	00564	14.81	35.966	26.76		1517.2							
15.6	OBS	T00938	07.50	35.134	27.47		1496.6							
15.6	OBS	T01468	04.58	35.048	27.78		1493.7							

REFID 31 1525 YEAR 1969 BOTDP 04389 AIR TEMP 28.2 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 08 SHIP ML WET BULB 24.9 26 3 3 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 20 N DAY 22 DATA USE 1 BAROMETR 1019.9 SEA WIND-FCR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 14.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E31 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.2	OBS	00000	26.90	36.322	23.77		1540.6							
14.2	OBS	00022	25.39	36.315	24.24		1537.6							
14.2	OBS	00045	22.81	36.586	25.21		1532.1							
14.2	OBS	00069	20.69	36.591	25.81		1527.0							
14.2	OBS	00092	19.96	36.609	26.02		1525.4							
14.2	OBS	00139	18.76	36.572	26.30		1522.8							
14.2	OBS	T00186	17.62	36.452	26.45		1520.2							
14.2	OBS	00276	17.14	36.426	26.59		1520.2							
14.2	OBS	T00367	17.03	36.428	26.62		1521.4							
14.2	OBS	00460	16.86	36.391	26.63		1522.4							
14.2	OBS	00549	16.09	36.219	26.68		1521.3							
14.2	OBS	00735	13.45	35.669	26.84		1515.3							
14.2	OBS	T00928	08.56	35.173	27.34		1500.6							
14.2	OBS	T01448	04.61	35.031	27.77		1493.5							

TABLE XI.—Continued

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REFID  31  1525      YEAR 1969     BOTOP 04114     AIR TEMP   26.7     DIR HGT PER     WIND-DIR 15     INST NANSEN CAST      TEN SQ 1206
CONSEC     0012      MONTH  08     SHIP ML         WET BULB   24.0      24  4   3      WIND-SPD 17     TRACE DIR             5 SQUARE  2
LAT   34 59  N      DAY    23     DATA USE  1     BAROMETR 1017.2      SEA             WIND-FOR        DURATION              2 SQUARE 46
LONG  047 51  W      HOUR 13.4     AREA      05    CLOUD T/A   8/3      CL/TR           WEATHER  X1     ORIG E31 012          1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4  TOT P   NO2   NO3   SIO3   PH

        13.4   OBS     00000     26.68    36.273     23.80               1540.1
        13.4   OBS     00026     26.26    36.272     23.93               1539.6
        13.4   OBS     00050     22.97    36.581     25.16               1532.5
        13.4   OBS     00074     18.78    36.540     26.27               1521.8
        13.4   OBS     00098     18.07    36.501     26.42               1520.1
        13.4   OBS     00143     17.55    36.456     26.52               1519.3
        13.4   OBS     T00187    17.24    36.429     26.57               1519.0
        13.4   OBS     00282     17.06    36.420     26.61               1520.1
        13.4   OBS     T00379    16.93    36.408     26.63               1521.3
        13.4   OBS     00478     16.08    36.218     26.68               1520.1
        13.4   OBS     00576     14.73    35.967     26.79               1517.2
        13.4   OBS     00769     10.94    35.610     27.12               1506.9
        13.4   OBS     T00958    08.04    35.261     27.49               1499.2
        13.4   OBS     T01473    04.71    35.067     27.78               1494.3

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REFID  31  1525      YEAR 1969     BOTOP 04400     AIR TEMP   26.8     DIR HGT PER     WIND-DIR 30     INST NANSEN CAST      TEN SQ 1206
CONSEC     0013      MONTH  08     SHIP ML         WET BULB   21.5      30  2   2      WIND-SPD 08     TRACE DIR             5 SQUARE  2
LAT   34 58.3N      DAY    25     DATA USE  1     BAROMETR 1014.3      SEA             WIND-FOR        DURATION              2 SQUARE 48
LONG  048 09.0W      HOUR 13.9     AREA      05    CLOUD T/A   8/4      CL/TR           WEATHER  X1     ORIG E31 013          1 SQUARE 48

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4  TOT P   NO2   NO3   SIO3   PH

        13.9   OBS     00000               36.256
        13.9   OBS     00028               36.272
        13.9   OBS     00055               36.565
        13.9   OBS     00083               36.573
        13.9   OBS     00110               36.545
        13.9   OBS     00166     17.97     36.525     26.46               1520.9
        13.9   OBS     00221     17.41     36.456     26.55               1520.1
        13.9   OBS     00331     17.08     36.420     26.60               1520.9
        13.9   OBS     T00444    16.81     36.364     26.62               1521.9
        13.9   OBS     00553     15.27     36.061     26.75               1518.6
        13.9   OBS     T00662    13.37     35.732     26.90               1513.9
        13.9   OBS     00885     08.15     35.106     27.35               1498.2
        13.9   OBS     T01114    05.42     34.999     27.65               1491.1
        13.9   OBS     T01663    04.08     34.989     27.79               1496.8
        17.3   OBS     T02007    03.75     34.962     27.80               1499.2
        17.3   OBS     T02502    03.38     34.961     27.84               1500.1
        17.3   OBS     03000     02.99     34.951     27.87               1513.0
        17.3   OBS     03500     02.58     34.932     27.89               1520.0
        17.3   OBS     04000     02.34     34.912     27.89               1527.7
        17.3   OBS     T04302    02.27     34.896     27.89               1532.7
        17.3   OBS     T04354    02.26     34.898     27.89               1533.6

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REFID  31  1525      YEAR 1969     BOTOP 04600     AIR TEMP   27.0     DIR HGT PER     WIND-DIR 04     INST NANSEN CAST      TEN SQ 1206
CONSEC     0014      MONTH  08     SHIP ML         WET BULB   20.1      05  3   2      WIND-SPD 05     TRACE DIR             5 SQUARE  2
LAT   34 58  N      DAY    26     DATA USE  1     BAROMETR 1021.6      SEA             WIND-FOR        DURATION              2 SQUARE 48
LONG  048 17  W      HOUR 14.5     AREA      05    CLOUD T/A   0/1      CL/TR           WEATHER  X1     ORIG E31 014          1 SQUARE 48

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4  TOT P   NO2   NO3   SIO3   PH

        14.5   OBS     00000     26.61    36.277     23.82               1539.9
        14.5   OBS     00026     26.36    36.262     23.89               1539.8
        14.5   OBS     00052     22.63    36.552     25.24               1531.7
        14.5   OBS     00078     19.98
        14.5   OBS     00104     19.03    36.565     26.23               1523.0
        14.5   OBS     00156     17.90    36.505     26.47               1520.6
        14.5   OBS     T00209    17.44    36.490     26.54               1520.0
        14.5   OBS     00309              36.434
        14.5   OBS     T00407    17.02    36.434     26.63               1522.0
        14.5   OBS     00508     16.10    36.220     26.68               1520.6
        14.5   OBS     T00603    14.49    35.931     26.82               1518.8
        14.5   OBS     00793     10.65    35.370     27.15               1506.2
        14.5   OBS     T00976    06.73    35.023     27.49               1494.1
        14.5   OBS     T01497    04.53    35.031     27.77               1493.9

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTDP 04792 AIR TEMP 25.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 08 SHIP ML WET BULB 20.6 34 3 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 51.0N DAY 27 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05.0W HOUR 13.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E31 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	26.41	36.293	23.90		1539.5							
13.3	OBS	00025	24.45	36.370	24.56		1535.5							
13.3	OBS	00051	20.94	36.549	25.71		1527.3							
13.3	OBS	00076	19.37	36.525	26.11		1523.4							
13.3	OBS	00102	18.25											
13.3	OBS	00151	17.62	36.481	26.52		1519.6							
13.3	OBS	00202	17.34	36.455	26.57		1519.6							
13.3	OBS	00304	16.99	36.388	26.60		1520.2							
13.3	OBS	T00405	16.92	36.402	26.63		1521.6							
13.3	OBS	00506	15.88	36.187	26.71		1519.9							
13.3	OBS	T00601	14.06	35.855	26.85		1515.3							
13.3	OBS	00807	09.87	35.294	27.22		1503.6							
13.3	OBS	T01014	06.11	35.024	27.58		1492.3							
13.3	OBS	T01512	04.30	35.016	27.79		1493.2							

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REFID 31 1525 YEAR 1969 BOTDP 04166 AIR TEMP 26.5 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 08 SHIP ML WET BULB 24.5 20 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 54.0N DAY 28 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 24.5W HOUR 13.5 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E31 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	26.61	36.317	23.85		1540.0							
13.5	OBS	00026	26.49											
13.5	OBS	00053	21.64	36.467	25.45		1529.1							
13.5	OBS	00080	19.20	36.499	26.13		1523.0							
13.5	OBS	00105	18.21	36.499	26.38		1520.6							
13.5	OBS	00156	17.46	36.459	26.54		1519.2							
13.5	OBS	T00204	17.20											
13.5	OBS	00302	17.05	36.428	26.61		1520.4							
13.5	OBS	T00391	16.93	36.410	26.63		1521.5							
13.5	OBS	00482	16.09	36.223	26.68		1520.2							
13.5	OBS	T00573	14.76	35.963	26.78		1517.2							
13.5	OBS	00759		35.432										
13.5	OBS	T00945	06.62	35.014	27.50		1493.1							
13.5	OBS	T01465	04.59	35.043	27.78		1493.7							

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REFID 31 1525 YEAR 1969 BOTDP 04100 AIR TEMP 25.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 08 SHIP ML WET BULB 23.4 28 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 11.0N DAY 29 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 16.0W HOUR 13.0 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X6 ORIG E31 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	26.26	36.337	23.98		1539.2							
13.0	OBS	00030	25.14	36.326	24.32		1537.1							
13.0	OBS	00059	20.62	36.549	25.79		1526.6							
13.0	OBS	00089	18.88	36.528	26.24		1522.3							
13.0	OBS	00119	18.07	36.539	26.45		1520.5							
13.0	OBS	00177	17.48	36.456	26.53		1519.6							
13.0	OBS	T00235	17.13	36.430	26.60		1519.5							
13.0	OBS	00348	17.05	36.419	26.61		1521.1							
13.0	OBS	T00458	16.80	36.340	26.61		1522.1							
13.0	OBS	00568	15.64	36.130	26.72		1520.1							
13.0	OBS	T00674	13.54	35.758	26.89		1514.7							
13.0	OBS	00903	08.69	35.184	27.33		1500.6							
13.0	OBS	T01132	05.38	35.009	27.66		1491.3							
13.0	OBS	T01736	04.13	34.998	27.79		1496.3							

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REFID 31 1525 YEAR 1969 BOTDP 04000 AIR TEMP 25.5 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 08 SHIP ML WET BULB 21.5 34 5 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 06.0N DAY 30 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 20.0W HOUR 13.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E31 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	26.19	36.246	23.93		1539.0							
13.8	OBS	00022	24.58	36.382	24.53		1535.7							
13.8	OBS	00044	21.58	36.584	25.45		1529.9							
13.8	OBS	00066	20.24	36.544	25.89		1525.7							
13.8	OBS	00087	19.41	36.542	26.11		1523.8							
13.8	OBS	00131	18.04	36.497	26.43		1520.5							
13.8	OBS	T00174	17.46	36.447	26.53		1519.5							
13.8	OBS	00259	17.13	36.413	26.58		1519.9							
13.8	OBS	T00338	17.07	36.418	26.60		1521.0							
13.8	OBS	00422	17.01	36.412	26.61		1522.2							
13.8	OBS	T00498	16.42	36.273	26.65		1521.5							
13.8	OBS	00665	13.74	35.788	26.87		1515.2							
13.8	OBS	T00837	10.42	35.324	27.15		1506.1							
13.8	OBS	T01322	04.94	35.034	27.73		1492.7							

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTDP 03700 AIR TEMP 25.8 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 08 SHIP ML WET BULB 19.8 36 2 2 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 31 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 14.2 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER X1 ORIG E31 019 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.2	OBS	00000	26.22	36.308	23.97		1539.1							
14.2	OBS	00026	26.17	36.306	23.99		1539.4							
14.2	OBS	00050	22.11	36.538	25.37		1530.3							
14.2	OBS	00075	19.80	36.518	25.99		1524.6							
14.2	OBS	00099	18.46	36.518	26.34		1521.3							
14.2	OBS	00149	17.74	36.470	26.48		1519.9							
14.2	OBS	T00201	17.32	36.424	26.55		1519.5							
14.2	OBS	00293	17.02	36.392	26.59		1520.1							
14.2	OBS	T00387	16.88	36.396	26.63		1521.2							
14.2	OBS	00481	15.96	36.193	26.69		1519.7							
14.2	OBS	T00567	14.98	36.006	26.77		1517.9							
14.2	OBS	00755	11.84	35.521	27.04		1510.0							
14.2	OBS	T00943	07.81	35.131	27.43		1497.9							
14.2	OBS	T01432	04.74	35.046	27.76		1495.7							

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REFID 31 1525 YEAR 1969 BOTDP 03400 AIR TEMP 26.3 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0020 MONTH 09 SHIP ML WET BULB 23.0 05 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 02.0N DAY 01 DATA USE 1 BAROMETR 1014.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12.4W HOUR 13.9 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E31 020 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	26.06	36.281	24.00		1538.7							
13.9	OBS	00024	25.98	36.274	24.02		1538.9							
13.9	OBS	00047	20.80	36.529	25.73		1526.8							
13.9	OBS	00070	19.04	36.509	26.18		1522.4							
13.9	OBS	00089	18.37	36.510	26.35		1520.8							
13.9	OBS	00136	17.75	36.476	26.48		1519.8							
13.9	OBS	T00178	17.49	36.455	26.53		1519.7							
13.9	OBS	00263	17.08	36.415	26.60		1519.8							
13.9	OBS	T00338	17.07	36.426	26.61		1521.0							
13.9	OBS	00424	16.99	36.406	26.61		1522.2							
13.9	OBS	T00498	15.82	36.162	26.70		1519.5							
13.9	OBS	00669	13.28	35.708	26.90		1515.7							
13.9	OBS	T00841	09.03	35.259	27.34		1501.0							
13.9	OBS	T01269	05.07	35.069	27.74		1492.4							

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REFID 31 1525 YEAR 1969 BOTDP 04800 AIR TEMP 24.0 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0021 MONTH 09 SHIP ML WET BULB 21.1 31 4 3 WIND-SPD 25 TRACE DIR 5 SQUARE 2
LAT 34 49.0N DAY 02 DATA USE 1 BAROMETR 1017.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04.8W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E31 021 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	25.95	36.197	23.97		1538.4							
12.0	OBS	00025	25.12	36.264	24.28		1536.9							
12.0	OBS	00050	21.50	36.541	25.55		1528.7							
12.0	OBS	00075	19.51	36.566	26.10		1523.9							
12.0	OBS	00100	18.53	36.520	26.32		1521.5							
12.0	OBS	00151	17.94	36.502	26.45		1520.6							
12.0	OBS	T00204	17.65	36.499	26.52		1520.6							
12.0	OBS	00301	17.11	36.411	26.59		1520.5							
12.0	OBS	T00400	17.01	36.404	26.61		1521.8							
12.0	OBS	00501	16.12	36.202	26.66		1520.6							
12.0	OBS	T00601	14.29	35.882	26.82		1516.1							
12.0	OBS	00807	10.00	35.283	27.19		1504.0							
12.0	OBS	T01017	06.16	34.998	27.55		1494.5							
12.0	OBS	T01548	04.27	34.996	27.78		1493.7							
14.3	OBS	T02156	03.63	34.969	27.82		1501.3							
14.3	OBS	T02697	03.28	34.967	27.85		1509.1							
14.3	OBS	03242	02.79	34.932	27.87		1516.4							
14.3	OBS	T03804	02.40	34.912	27.89		1524.5							
14.3	OBS	04343	02.28	34.897	27.89		1533.5							
14.3	OBS	T04629	02.29	34.891	27.88		1538.6							
14.3	OBS	T04694	02.28	34.890	27.88		1539.7							

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TABLE XII.–Observed and interpolated oceanographic data for stations taken by USCGC BOUTWELL at Ocean Station ECHO, 26 September 1969 - 19 October 1969, prepared from NODC listing No. 31 - 8128.

REFID 31 8128	YEAR 1969	BOTDP 03566	AIR TEMP 25.2	DIP PGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 09	SHIP GU	WET BULB 23.2	12 2 4	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 27	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 00 W	HOUR 05.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG E32 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.5	OBS	00000	25.55	36.47	24.30		1537.7							
	OBS	00010	25.41	36.47	24.35		1537.6							
	OBS	00020	25.03											
	OBS	00030	23.78											
	OBS	00050	20.23											
	OBS	00075	18.53	36.50	26.30		1521.0							
	OBS	00100	17.82	36.49	26.47		1519.4							
	OBS	00125	17.68	36.48	26.50		1519.4							
	OBS	00150	17.38	36.45	26.55		1518.9							
	OBS	00200	17.15	36.44	26.60		1519.0							
	OBS	00250	17.06	36.42	26.61		1519.5							
	OBS	00300	16.97	36.42	26.63		1520.1							
	OBS	00400	16.58	36.32	26.64		1520.4							
	OBS	00500	15.75	36.17	26.72		1519.4							
	OBS	00600	14.54	35.91	26.79		1516.9							
	OBS	00700	12.65	35.61	26.95		1511.9							
	OBS	00800	10.20	35.32	27.19		1504.7							
	OBS	00900	07.89	35.11	27.40		1497.5							
	OBS	01000	06.46	35.02	27.53		1493.4							
	OBS	01100	05.43	35.02	27.66		1491.0							
	OBS	01200	04.89	35.00	27.71		1490.4							
	OBS	01300	04.66	35.02	27.75		1491.2							
	OBS	01400	04.39	34.99	27.76		1491.7							
	OBS	01560	04.23	34.98	27.77		1492.7							

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REFID 31 8128	YEAR 1969	BOTDP 04572	AIR TEMP 27.2	DIP PGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 09	SHIP GU	WET BULB 25.5	34 2 3	WIND-SPD 06	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 27	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 02 W	HOUR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E32 002	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	25.18	36.39	24.36		1536.8							
	OBS	00010	24.97	36.52	24.52		1536.6							
	OBS	00020	24.53	36.46	24.61		1535.7							
	OBS	00030	23.53	36.47	24.91		1533.5							
	OBS	00050	20.45	36.54	25.83		1526.0							
	OBS	00075	18.71	36.50	26.26		1521.5							
	OBS	00100	18.01	36.52	26.45		1520.0							
	OBS	00125	17.66	36.48	26.51		1519.3							
	OBS	00150	17.49	36.46	26.53		1519.2							
	OBS	00200	17.17	36.44	26.60		1519.1							
	OBS	00250	17.09	36.45	26.62		1519.7							
	OBS	00300	17.01	36.43	26.63		1520.2							
	OBS	00400	16.85	36.40	26.64		1521.4							
	OBS	00500	15.47	36.09	26.72		1518.4							
	OBS	00600	13.95	35.81	26.84		1514.9							
	OBS	00700	11.92	35.51	27.02		1509.3							
	OBS	00800	10.15	35.30	27.18		1504.5							
	OBS	00900	08.24	35.14	27.37		1498.8							
	OBS	01000	06.46	35.04	27.54		1493.5							
	OBS	01100	05.59	35.04	27.66		1491.6							
	OBS	01200	04.94	35.02	27.72		1490.6							
	OBS	01300	04.64	35.00	27.74		1491.1							
	OBS	01400	04.44	34.99	27.75		1491.9							
	OBS	01500	04.24	34.98	27.77		1492.7							

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REFID 31 8128	YEAR 1969	BOTDP 04023	AIR TEMP 25.0	DIP PGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 09	SHIP GU	WET BULB 22.8	34 2 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 06 N	DAY 28	DATA USE 1	BAROMETR 1017.6	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 42.5W	HOUR 12.8	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X1	ORIG E32 003	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	24.82	36.231	24.35		1535.8							
12.8	OBS	00024	24.76	36.225	24.36		1536.1							
12.8	OBS	00050	23.84	36.339	24.72		1534.4							
12.8	OBS	00074	20.11	36.534	25.92		1523.4							
12.8	OBS	00100	18.75	36.428	26.19		1522.0							
12.8	OBS	00149	17.79	36.436	26.44		1520.0							
12.8	OBS	T00197	17.58	36.447	26.50		1520.2							
12.8	OBS	00294	17.24	36.427	26.57		1520.8							
12.8	OBS	T00389	16.88	36.332	26.58		1521.2							
12.8	OBS	00485	15.76	36.116	26.68		1519.1							
12.8	OBS	T00580	14.38	35.864	26.79		1516.0							
12.8	OBS	00776	11.16	35.400	27.08		1507.8							
12.8	OBS	T00979	07.23	35.088	27.48		1496.2							
12.8	OBS	T01468	04.40	35.001	27.77		1492.9							

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TABLE XII.—Continued

REFID 31 8128 YEAR 1969 BOTDP 03612 AIR TEMP 23.3 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 09 SHIP OU WET BULB 21.1 01 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 29 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.4 AREA 05 CLOUD T/A 6/1 CL/TR WEATHER X1 ORIG E32 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	25.37	36.477	24.36		1537.3							
12.4	OBS	00024	25.18	36.430	24.39		1537.2							
12.4	OBS	00050	22.49	36.515	25.25		1531.2							
12.4	OBS	00074	19.37	36.556	26.13		1523.4							
12.4	OBS	00099	18.38	36.526	26.36		1521.0							
12.4	OBS	00148	17.54	36.458	26.52		1519.3							
12.4	OBS	T00199	17.23	36.418	26.56		1519.2							
12.4	OBS	00299	17.03	36.428	26.62		1520.3							
12.4	OBS	T00399	16.71	36.350	26.64		1520.9							
12.4	OBS	00499	15.16	36.036	26.75		1517.4							
12.4	OBS	T00597	13.82	35.803	26.86		1514.4							
12.4	OBS	00801	09.86	35.295	27.22		1503.5							
12.4	OBS	01003	06.14	35.014	27.57		1492.2							
12.4	OBS	T01511	04.29	34.990	27.77		1493.1							

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REFID 31 8128 YEAR 1969 BOTDP 04480 AIR TEMP 25.6 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 09 SHIP OU WET BULB 23.9 18 1 3 WIND-SPD 04 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 30 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.3 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X1 ORIG E32 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.98	36.330	24.37		1536.3							
12.3	OBS	00025	24.92	36.327	24.39		1536.5							
12.3	OBS	00051	22.62	36.512	25.21		1531.6							
12.3	OBS	00076	19.08	36.537	26.19		1522.6							
12.3	OBS	00102	18.29	36.527	26.39		1520.8							
12.3	OBS	00152	17.65	36.489	26.52		1519.8							
12.3	OBS	T00202	17.19	36.422	26.58		1519.1							
12.3	OBS	00305	17.02	36.428	26.62		1520.3							
12.3	OBS	T00406	16.93	36.400	26.62		1521.7							
12.3	OBS	00508	15.42	36.088	26.73		1518.4							
12.3	OBS	T00606	13.50	35.747	26.89		1513.4							
12.3	OBS	00812	09.93	35.292	27.21		1503.9							
12.3	OBS	T01015	06.04	35.025	27.59		1492.0							
12.3	OBS	T01532	04.29	35.000	27.76		1493.5							

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REFID 31 8128 YEAR 1969 BOTDP 04297 AIR TEMP 26.7 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 10 SHIP OU WET BULB 23.9 24 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 01 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 12.1 AREA 05 CLOUD T/A 1/5 CL/TR WEATHER X1 ORIG E32 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.16	36.388	24.36		1536.8							
12.1	OBS	00024	24.93	36.384	24.43		1536.6							
12.1	OBS	00050	21.72	36.573	25.51		1529.4							
12.1	OBS	00074	19.13	36.548	26.19		1522.8							
12.1	OBS	00100	18.08	36.519	26.43		1520.2							
12.1	OBS	00149	17.47	36.454	26.53		1519.1							
12.1	OBS	T00197	17.13	36.408	26.58		1518.9							
12.1	OBS	00299	17.01	36.428	26.62		1520.2							
12.1	OBS	T00403	16.82	36.374	26.63		1521.3							
12.1	OBS	00500	15.81	36.162	26.70		1519.0							
12.1	OBS	T00599	14.33	35.889	26.82		1516.2							
12.1	OBS	00801	10.28	35.336	27.18		1505.0							
12.1	OBS	01002	06.13	35.010	27.56		1492.1							
12.1	OBS	T01509	04.35	34.991	27.76		1493.4							

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REFID 31 8128 YEAR 1969 BOTDP 03292 AIR TEMP 25.0 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 10 SHIP OU WET BULB 23.3 23 2 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 12.1 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X1 ORIG E32 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	24.92	36.272	24.35		1536.1							
12.1	OBS	00022	24.92	36.315	24.38		1536.5							
12.1	OBS	00045	21.34	36.554	25.60		1528.3							
12.1	OBS	00067	19.47	36.558	26.11		1523.6							
12.1	OBS	00090	18.53	36.527	26.33		1521.3							
12.1	OBS	00135	17.82	36.493	26.48		1520.0							
12.1	OBS	T00181	17.54	36.455	26.52		1519.9							
12.1	OBS	00273	17.03	36.400	26.60		1519.8							
12.1	OBS	00365	16.97	36.397	26.61		1521.1							
12.1	OBS	00459	15.68	36.133	26.71		1518.4							
12.1	OBS	T00552	14.66	35.991	26.83		1516.6							
12.1	OBS	00744	11.53	35.476	27.07		1508.7							
12.1	OBS	T00932	07.42	35.097	27.46		1496.2							
12.1	OBS	T01439	04.47	34.992	27.75		1492.7							

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TABLE XII.—Continued

REFID 31 8128 YEAR 1969 BOTDP 03749 AIR TEMP 22.8 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 10 SHIP OU WET BULB 18.4 01 2 3 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 03 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.0 AREA 05 CLOUD T/A 6/3 CL/TR WEATHER X1 ORIG E32 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	24.85	36.279	24.37		1535.9							
12.0	OBS	00024	24.82	36.274	24.38		1536.2							
12.0	OBS	00049	21.71	36.470	25.43		1529.2							
12.0	OBS	00072	18.86	36.478	26.20		1521.9							
12.0	OBS	00097	18.08	36.493	26.41		1520.1							
12.0	OBS	00145	17.56	36.461	26.52		1519.3							
12.0	OBS	T00194	17.27	36.439	26.57		1519.3							
12.0	OBS	00291	17.04	36.417	26.61		1520.2							
12.0	OBS	00387	16.69	36.331	26.63		1520.6							
12.0	OBS	00484	15.50											
12.0	OBS	00581	14.55	35.982	26.84		1516.7							
12.0	OBS	00779	10.32	35.340	27.18		1504.8							
12.0	OBS	T00979	06.13	35.015	27.57		1491.8							
12.0	OBS	T01488	04.36	34.999	27.77		1493.1							

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REFID 31 8128 YEAR 1969 BOTDP 04041 AIR TEMP 25.0 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 10 SHIP OU WET BULB 21.1 23 3 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 08 N DAY 04 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E32 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	24.23	35.996	24.35		1534.1							
12.0	OBS	00021	24.21	35.988	24.35		1534.4							
12.0	OBS	00043	22.68	36.371	25.08		1531.4							
12.0	OBS	00065	20.44	36.588	25.87		1526.2							
12.0	OBS	00087	19.13	36.571	26.21		1523.0							
12.0	OBS	00132	17.99	36.509	26.45		1520.4							
12.0	OBS	T00177	17.64	36.475	26.51		1520.1							
12.0	OBS	00271	17.15	36.426	26.59		1520.2							
12.0	OBS	T00368	16.99	36.415	26.62		1521.3							
12.0	OBS	00460	15.96	36.217	26.71		1519.4							
12.0	OBS	T00554	14.41	35.900	26.81		1515.7							
12.0	OBS	00750	10.74	35.387	27.14		1505.9							
12.0	OBS	T00939	07.04	35.111	27.52		1494.8							
12.0	OBS	T01460	04.41	35.001	27.76		1492.8							

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REFID 31 8128 YEAR 1969 BOTDP 04026 AIR TEMP 25.0 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 10 SHIP OU WET BULB 23.3 23 6 5 WIND-SPD 28 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 05 DATA USE 1 BAROMETR 1007.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.12	35.916	24.32		1533.8							
12.2	OBS	00024	24.12	35.926	24.33		1534.2							
12.2	OBS	00048	22.77	36.271	24.98		1531.6							
12.2	OBS	00072	20.17	36.582	25.94		1525.6							
12.2	OBS	00095	18.95											
12.2	OBS	00144	17.92	36.476	26.44		1520.4							
12.2	OBS	00187	17.46	36.454	26.54		1519.7							
12.2	OBS	00287	17.01	36.405	26.61		1520.0							
12.2	OBS	T00382	16.73	36.345	26.63		1520.6							
12.2	OBS	00479	15.47	36.093	26.73		1518.1							
12.2	OBS	T00579	13.81	35.802	26.86		1514.1							
12.2	OBS	00766	10.24	35.324	27.18		1504.3							
12.2	OBS	T00957	06.95	35.114	27.54		1494.8							
12.2	OBS	T01425	04.30	34.996	27.77		1491.7							

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REFID 31 8128 YEAR 1969 BOTDP 04389 AIR TEMP 27.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 10 SHIP OU WET BULB 27.2 20 8 3 WIND-SPD 31 TRACE DIR 5 SQUARE 2
LAT 34 48 N DAY 06 DATA USE 1 BAROMETR 1008.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.23	36.396	24.35		1536.9							
12.1	OBS	00026	25.14	36.439	24.41		1537.2							
12.1	OBS	00051	22.26	36.520	25.32		1530.7							
12.1	OBS	00077	19.23	36.532	26.15		1523.1							
12.1	OBS	00102	18.26	36.532	26.40		1520.7							
12.1	OBS	00154	17.60	36.465	26.51		1519.6							
12.1	OBS	T00192	17.32	36.425	26.55		1519.4							
12.1	OBS	00303	16.96	36.414	26.63		1520.1							
12.1	OBS	T00403	16.82	36.356	26.61		1521.3							
12.1	OBS	00496	15.54	36.198	26.75		1518.7							
12.1	OBS	T00598	14.28	35.886	26.83		1516.0							
12.1	OBS	00760	10.52	35.392	27.19		1505.3							
12.1	OBS	T00909	07.28	35.089	27.47		1495.2							
12.1	OBS	T01297	04.58	35.016	27.76		1490.8							

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TABLE XII.—Continued

REFID 31 8128 YEAR 1969 BOTDP 04755 AIR TEMP 27.5 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 10 SHIP OU WET BULB 24.2 22 7 4 WIND-SPD 25 TRACE DIR 5 SQUARE 2
LAT 33 50 N DAY 07 DATA USE 1 BAROMETR 1012.2 SEA WIND-FOR DURATION 2 SQUARE 28
LONG 048 15 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 012 1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	25.83	36.382	24.15		1538.3							
12.2	OBS	00027	25.85	36.424	24.17		1538.8							
12.2	OBS	00053	23.14	36.558	25.05		1533.0							
12.2	OBS	00081	20.48	36.570	25.85		1526.6							
12.2	OBS	00107	18.73	36.530	26.28		1522.2							
12.2	OBS	00161	17.78	36.485	26.48		1520.3							
12.2	OBS	00205	17.52	36.461	26.53		1520.2							
12.2	OBS	00319	17.04	36.415	26.61		1520.6							
12.2	OBS	T00424	16.94	36.394	26.62		1522.0							
12.2	OBS	00529	15.72	36.145	26.71		1519.7							
12.2	OBS	T00634	13.97	35.834	26.86		1515.5							
12.2	OBS	00846	09.00	35.170	27.27		1500.8							
12.2	OBS	01059	06.70	35.160	27.61		1495.5							
12.2	OBS	T01600	04.71	35.106	27.81		1496.5							

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REFID 31 8128 YEAR 1969 BOTDP 04663 AIR TEMP 23.9 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 10 SHIP OU WET BULB 23.3 06 6 4 WIND-SPD 30 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 08 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.3 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E32 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.06	35.821	24.26		1533.5							
12.3	OBS	00026	24.05	35.817	24.26		1533.9							
12.3	OBS	00052	24.06	35.817	24.26		1534.4							
12.3	OBS	00078	19.46	36.440	26.02		1523.6							
12.3	OBS	00104	18.69	36.471	26.24		1521.9							
12.3	OBS	00157	17.43	36.330	26.45		1519.0							
12.3	OBS	T00202	17.34	36.392	26.52		1519.5							
12.3	OBS	00316	16.95	36.388	26.61		1520.3							
12.3	OBS	00423	15.46	36.093	26.73		1517.1							
12.3	OBS	00531	14.30	35.928	26.86		1515.0							
12.3	OBS	T00644	12.97	35.703	26.96		1512.2							
12.3	OBS	00858	08.46	35.164	27.35		1499.0							
12.3	OBS	01076	05.86	35.071	27.65		1492.4							
12.3	OBS	01627	04.11	34.976	27.78		1494.3							

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REFID 31 8128 YEAR 1969 BOTDP 04114 AIR TEMP 23.3 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 10 SHIP OU WET BULB 18.9 11 6 4 WIND-SPD 35 TRACE DIR 5 SQUARE 4
LAT 35 50 N DAY 09 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 046 20 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 014 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.63	36.025	24.55		1532.7							
12.2	OBS	00020	23.65	36.019	24.54		1533.1							
12.2	OBS	00038	23.66	36.019	24.53		1533.4							
12.2	OBS	00057	22.21	36.490	25.31		1530.6							
12.2	OBS	00075	20.74	36.590	25.79		1527.2							
12.2	OBS	00112	19.37	36.581	26.15		1524.1							
12.2	OBS	T00144	18.47	36.508	26.33		1522.0							
12.2	OBS	00224	17.52	36.450	26.52		1520.5							
12.2	OBS	T00427	16.55	36.292	26.63		1520.8							
12.2	OBS	00536	14.29	35.895	26.83		1515.0							

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REFID 31 8128 YEAR 1969 BOTDP 05212 AIR TEMP 23.3 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 10 SHIP OU WET BULB 20.6 10 5 4 WIND-SPD 27 TRACE DIR 5 SQUARE 3
LAT 36 34 N DAY 10 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 62
LONG 042 32 W HOUR 12.9 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E32 015 1 SQUARE 62

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	23.96	36.172	24.56		1533.7							
12.9	OBS	00019	23.97	36.170	24.56		1534.0							
12.9	OBS	00039	23.96	36.171	24.56		1534.3							
12.9	OBS	00059	22.27	36.178	25.06		1530.5							
12.9	OBS	00078	20.22	36.539	25.89		1525.8							
12.9	OBS	00118	18.68	36.561	26.31		1522.2							
12.9	OBS	T00154	17.96	36.470	26.42		1520.7							
12.9	OBS	00235	17.37	36.448	26.55		1520.2							
12.9	OBS	T00313	16.86	36.386	26.63		1519.9							
12.9	OBS	00400	16.05	36.324	26.77		1518.8							
12.9	OBS	T00474	15.08	36.076	26.80		1516.7							
12.9	OBS	00627	12.20	35.599	27.03		1509.2							
12.9	OBS	00784	08.00	35.113	27.38		1496.0							
12.9	OBS	T01162	04.93	35.029	27.73		1490.0							

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TABLE XII.—Continued

REFID 31 8128 YEAR 1969 BOTDP 04938 AIR TEMP 22.8 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 10 SHIP OU WET BULB 19.4 14 5 3 WIND-SPD 28 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 11 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	24.87	36.377	24.44		1536.1							
12.6	OBS	00027	24.87	36.395	24.46		1536.5							
12.6	OBS	00054	20.94	36.549	25.71		1527.4							
12.6	OBS	00082	18.89	36.544	26.25		1522.2							
12.6	OBS	00108	18.36	36.522	26.36		1521.1							
12.6	OBS	00163	17.65	36.468	26.50		1519.9							
12.6	OBS	T00209	17.25	36.421	26.56		1519.4							
12.6	OBS	00325	16.99	36.421	26.62		1520.6							
12.6	OBS	T00436	16.26	36.252	26.67		1520.0							
12.6	OBS	00540	14.90	35.997	26.78		1517.2							
12.6	OBS	T00646	12.60	35.607	26.96		1510.9							
12.6	OBS	00864	07.79	35.092	27.40		1496.5							
12.6	OBS	01079	05.45	35.028	27.66		1490.7							
12.6	OBS	T01619	04.10	34.987	27.79		1494.2							

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REFID 31 8128 YEAR 1969 BOTDP 04425 AIR TEMP 23.9 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 10 SHIP OU WET BULB 18.9 10 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 12 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 24 W HOUR 12.1 AREA 05 CLOUD T/A 3/2 CL/TR WEATHER X1 ORIG E32 017 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	23.97	36.275	24.63		1533.8							
12.1	OBS	00024	24.00	36.279	24.63		1534.3							
12.1	OBS	00049	21.51	36.526	25.53		1528.7							
12.1	OBS	00072	19.87	36.584	26.02		1524.8							
12.1	OBS	00097	18.78	36.507	26.25		1522.1							
12.1	OBS	00144	17.92	36.487	26.45		1520.4							
12.1	OBS	T00193	17.55	36.455	26.51		1520.1							
12.1	OBS	00291	17.04	36.420	26.61		1520.2							
12.1	OBS	T00389	16.49	36.294	26.65		1520.0							
12.1	OBS	00486	15.14	36.038	26.76		1517.1							
12.1	OBS	T00582	14.04	35.876	26.87		1514.9							
12.1	OBS	00773	09.88	35.299	27.22		1503.0							
12.1	OBS	T00963	06.68	35.106	27.57		1493.8							
12.1	OBS	T01461	04.32	35.004	27.78		1492.4							

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REFID 31 8128 YEAR 1969 BOTDP 04270 AIR TEMP 25.0 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 10 SHIP OU WET BULB 22.2 23 2 2 WIND-SPD 22 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 18 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 0/6 CL/TR WEATHER X1 ORIG E32 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.24	36.498	24.72		1534.7							
12.3	OBS	00024	24.26	36.501	24.72		1535.2							
12.3	OBS	00049	24.32	36.525	24.72		1535.7							
12.3	OBS	00074	20.26	36.560	25.90		1525.9							
12.3	OBS	00099	19.63	36.548	26.06		1524.6							
12.3	OBS	00148	17.90	36.478	26.45		1520.4							
12.3	OBS	T00200	17.45	36.439	26.53		1519.9							
12.3	OBS	00299	17.00	36.403	26.61		1520.1							
12.3	OBS	T00396	16.51	36.300	26.65		1520.1							
12.3	OBS	00499	14.80	35.990	26.80		1516.2							
12.3	OBS	T00600	13.45	35.762	26.91		1513.2							
12.3	OBS	00798	09.08	35.185	27.27		1500.4							
12.3	OBS	T00994	06.20	35.058	27.59		1492.4							

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REFID 31 8128 YEAR 1969 BOTDP 04938 AIR TEMP 23.9 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1207
CONSEC 0019 MONTH 10 SHIP OU WET BULB 21.7 02 3 6 WIND-SPD 12 TRACE DIR 5 SQUARE 3
LAT 35 50 N DAY 19 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 40
LONG 050 00 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E32 019 1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	23.22	36.161	24.77		1531.8							
13.0	OBS	00025	23.22	36.163	24.77		1532.3							
13.0	OBS	00050	22.74	36.239	24.97		1531.6							
13.0	OBS	00075	20.89	36.987	25.75		1527.6							
13.0	OBS	00101	19.62	36.572	26.08		1524.6							
13.0	OBS	00151	18.06	36.513	26.43		1521.0							
13.0	OBS	T00204	17.50	36.449	26.52		1520.1							
13.0	OBS	00303	16.99	36.371	26.59		1520.1							
13.0	OBS	T00403	16.78	36.359	26.63		1521.1							
13.0	OBS	00504	15.65	36.132	26.72		1519.1							
13.0	OBS	T00598	14.03	35.837	26.84		1515.1							
13.0	OBS	00804	10.12	35.303	27.19		1504.4							

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TABLE XIII.--Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station ECHO, 22 October 1969 - 11 November 1969, prepared from NODC listing No. 31 - 8142.

REFID 31 8142	YEAR 1969	BOTDP 05029	AIR TEMP 24.2	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 10	SHIP AZ	WET BULB 20.6	02 1 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 2
LAT 34 50.8N	DAY 22	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 46
LONG 047 45.5W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E33 001	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	23.80											
	OBS	00010	23.80											
	OBS	00020	23.80											
	OBS	00030	23.86											
	OBS	00050	22.16											
	OBS	00075	19.86											
	OBS	00100	18.81											
	OBS	00125	18.26											
	OBS	00150	17.86											
	OBS	00200	17.52											
	OBS	00245	17.13											
	OBS	00250	17.11											
	OBS	00300	17.06											
	OBS	00320	17.03											
	OBS	00400	15.89											
	OBS	00500	14.47											
	OBS	00600	13.26											
	OBS	00700	11.05											
	OBS	00800	09.00											
	OBS	00864	07.92											
	OBS	00870	08.02											
	OBS	00900	07.64											
	OBS	01000	06.20											
	OBS	01100	05.49											
	OBS	01200	04.93											
	OBS	01300	04.61											
	OBS	01400	04.42											
	OBS	01500	04.18											

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REFID 31 8142	YEAR 1969	BOTDP 04938	AIR TEMP 24.0	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 10	SHIP AZ	WET BULB 21.4	25 1 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 2
LAT 34 56.5N	DAY 22	DATA USE 1	BAROMETR 1021.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 44 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E33 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	23.44											
	OBS	00010	23.38											
	OBS	00020	23.70											
	OBS	00030	23.85											
	OBS	00050	22.36											
	OBS	00075	19.50											
	OBS	00100	18.53											
	OBS	00125	18.12											
	OBS	00150	17.88											
	OBS	00200	17.39											
	OBS	00250	16.85											
	OBS	00300	16.58											
	OBS	00400	15.30											
	OBS	00500	14.29											
	OBS	00600	13.24											
	OBS	00700	11.29											
	OBS	00800	08.95											
	OBS	00900	07.69											
	OBS	01000	06.04											
	OBS	01100	05.37											
	OBS	01200	05.00											
	OBS	01300	04.70											
	OBS	01400	04.45											
	OBS	01500	04.26											

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TABLE XIII.—Continued

REFID 31 8142	YEAR 1969	BOTDP 04755	AIR TEMP 24.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 10	SHIP AZ	WET BULB 22.4	36 1 3	WIND-SPD 23	TRACE DIR D	5 SQUARE 2
LAT 34 56.6N	DAY 23	DATA USE 1	BAROMETR 1023.2	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 54.2W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E33 003	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	24.08											
	OBS	00010	24.08											
	OBS	00020	24.08											
	OBS	00030	24.09											
	OBS	00044	24.09											
	OBS	00050	22.06											
	OBS	00075	19.26											
	OBS	00100	18.58											
	OBS	00125	18.16											
	OBS	00150	17.82											
	OBS	00200	17.46											
	OBS	00250	17.09											
	OBS	00300	17.02											
	OBS	00400	16.24											
	OBS	00500	14.81											
	OBS	00564	14.05											
	OBS	00572	13.82											
	OBS	00580	13.94											
	OBS	00600	13.13											
	OBS	00700	11.51											
	OBS	00800	09.52											
	OBS	00900	07.34											
	OBS	01000	06.05											
	OBS	01100	05.47											
	OBS	01200	05.03											
	OBS	01300	04.75											
	OBS	01400	04.44											
	OBS	01500	04.32											

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REFID 31 8142	YEAR 1969	BOTDP 04389	AIR TEMP	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 10	SHIP AZ	WET BULB	18 2 3	WIND-SPD 26	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 23	DATA USE 1	BAROMETR 1022.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 58.7W	HOUR 17.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E33 004	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	23.85											
	OBS	00010	23.85											
	OBS	00020	23.84											
	OBS	00030	23.81											
	OBS	00040	23.79											
	OBS	00050	22.27											
	OBS	00075	19.72											
	OBS	00100	18.82											
	OBS	00125	18.31											
	OBS	00150	18.04											
	OBS	00200	17.57											
	OBS	00250	17.30											
	OBS	00300	17.10											
	OBS	00400	16.36											
	OBS	00500	14.82											
	OBS	00600	12.99											
	OBS	00610	13.19											
	OBS	00700	11.53											
	OBS	00800	09.77											
	OBS	00900	08.00											
	OBS	01000	06.55											
	OBS	01100	05.52											
	OBS	01200	05.08											
	OBS	01300	04.81											
	OBS	01400	04.51											
	OBS	01500	04.38											

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TABLE XIII.—Continued

REFID 31 8142 YEAR 1969 BOTDP 04114 AIR TEMP 24.0 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 10 SHIP AZ WET BULB 22.0 16 2 2 WIND-SPD 28 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 24 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 00.8 2 SQUARE 48
LONG 048 08.7W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E33 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	22.97											
	OBS	00010	22.98											
	OBS	00015	22.98											
	OBS	00020	22.88											
	OBS	00030	22.69											
	OBS	00050	20.69											
	OBS	00075	19.50											
	OBS	00100	18.81											
	OBS	00125	18.31											
	OBS	00150	17.94											
	OBS	00200	17.45											
	OBS	00250	17.20											
	OBS	00300	17.06											
	OBS	00350	17.04											
	OBS	00400	16.74											
	OBS	00500	15.02											
	OBS	00600	13.63											
	OBS	00700	11.36											
	OBS	00800	09.36											
	OBS	00900	07.65											
	OBS	01000	06.20											
	OBS	01100	05.42											
	OBS	01200	04.98											
	OBS	01300	04.61											
	OBS	01400	04.41											
	OBS	01500	04.27											

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REFID 31 8142 YEAR 1969 BOTDP 04572 AIR TEMP 18.9 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 10 SHIP AZ WET BULB 14.6 34 6 3 WIND-SPD 30 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 26 DATA USE 1 BAROMETR 1019.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 18.5 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X2 ORIG E33 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	22.66	36.121	24.90		1530.4							
18.5	OBS	00023	22.68	36.139	24.91		1530.9							
18.5	OBS	00044	22.61	36.136	24.93		1531.0							
18.5	OBS	00067	20.19	36.530	25.90		1525.5							
18.5	OBS	00090	18.75	36.519	26.26		1521.9							
18.5	OBS	00135	18.19	36.487	26.38		1521.0							
18.5	OBS	T00179	17.63	36.439	26.48		1520.1							
18.5	OBS	T00357	17.02	36.390	26.59		1521.1							

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REFID 31 8142 YEAR 1969 BOTDP 04389 AIR TEMP 20.1 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 10 SHIP AZ WET BULB 15.0 02 2 3 WIND-SPD 25 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 27 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 17 W HOUR 13.0 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E33 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	22.91	36.334	24.99		1531.3							
13.0	OBS	00019	22.89	36.334	25.00		1531.5							
13.0	OBS	00036	22.84	36.334	25.01		1531.7							
13.0	OBS	00055	22.80	36.331	25.02		1531.9							
13.0	OBS	00076	18.94	36.511	26.21		1522.2							
13.0	OBS	00115	18.09	36.477	26.40		1520.4							
13.0	OBS	T00156	17.70	36.444	26.47		1519.9							
13.0	OBS	00241	17.18	36.394	26.56		1519.7							
13.0	OBS	00324		36.369										
13.0	OBS	00407	16.70	36.319	26.61		1520.9							
13.0	OBS	00488	14.66	35.931	26.78		1515.5							
13.0	OBS	T00624	12.64	35.605	26.95		1510.7							
13.0	OBS	T00707	09.96	35.280	27.20		1502.2							

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REFID 31 8142 YEAR 1969 BOTDP 02743 AIR TEMP 20.8 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 10 SHIP AZ WET BULB 16.8 04 5 3 WIND-SPD 28 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 28 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 18.8 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E33 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.8	OBS	00000	22.33	36.183	25.04		1529.6							
18.8	OBS	00025	22.34	36.182	25.04		1530.1							
18.8	OBS	00047	22.15	36.172	25.08		1529.9							
18.8	OBS	00070	20.79	36.520	25.73		1527.2							
18.8	OBS	00092	19.16	36.526	26.16		1523.1							
18.8	OBS	00137	18.31	36.505	26.36		1521.4							
18.8	OBS	T00181	17.82	36.479	26.47		1520.7							
18.8	OBS	00267	17.23	36.400	26.55		1520.3							
18.8	OBS	00354		36.387										
18.8	OBS	00437	16.16	36.208	26.66		1519.6							
18.8	OBS	00520	14.69	35.962	26.80		1516.1							
18.8	OBS	00691	11.81	35.517	27.05		1508.8							
18.8	OBS	T00857	08.29	35.166	27.38		1498.3							
18.8	OBS	01334	04.27 Q	35.003	27.78Q									

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TABLE XIII.—Continued

REFID 31 8142 YEAR 1969 BOTDP 05121 AIR TEMP 20.5 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 10 SHIP AZ WET BULB 17.8 22 1 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 42 N DAY 31 DATA USE 1 BAROMETR 1006.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 36 W HOUR 09.6 AREA 05 CLOUD T/A 4/3 CL/TR WEATHER X1 CRIG E33 009 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.6	OBS	00000	22.11	36.287	25.18		1529.2							
09.6	OBS	00024	22.08	36.293	25.20		1529.5							
09.6	OBS	00049	21.20	36.426	25.54		1527.8							
09.6	OBS	00074	19.25	36.540	26.15		1523.1							
09.6	OBS	00099	18.53	36.513	26.31		1521.4							
09.6	OBS	00148	17.71	36.448	26.47		1519.8							
09.6	OBS	T00200	17.30	36.399	26.53		1519.4							
09.6	OBS	00297	17.07	36.363	26.56		1520.3							
09.6	OBS	00395	16.13	36.36 Q	26.78Q									
09.6	OBS	00494	14.62	35.930	26.79		1515.4							
09.6	OBS	00592	13.19	35.701	26.91		1512.1							
09.6	OBS	T00790	08.78	35.160	27.30		1499.1							
09.6	OBS	T00986	06.14	35.058	27.60		1492.0							
09.6	OBS	01480	04.25	34.981	27.77		1492.4							

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REFID 31 8142 YEAR 1969 BOTDP 04846 AIR TEMP 20.8 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 11 SHIP AZ WET BULB 18.0 21 2 3 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 48 N DAY 01 DATA USE 1 BAROMETR 1002.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 36 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 CRIG E33 010 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	22.36	36.409	25.20		1530.0							
12.8	OBS	00026	22.32	36.407	25.21		1530.3							
12.8	OBS	00052	20.39	36.543	25.85		1525.8							
12.8	OBS	00078	19.11	36.522	26.17		1522.7							
12.8	OBS	00103	18.29	36.481	26.35		1520.8							
12.8	OBS	00156	17.75	36.372	26.40		1520.0							
12.8	OBS	00209	17.06	36.376	26.57		1518.8							
12.8	OBS	00314	16.81	36.330	26.60		1519.7							
12.8	OBS	00421		36.087										
12.8	OBS	00530	14.01	35.877	26.88		1514.0							
12.8	OBS	00637	12.02	35.580	27.05		1508.7							
12.8	OBS	T00863	07.53	35.110	27.45		1495.5							
12.8	OBS	T01071	05.41	35.031	27.67		1490.4							
12.8	OBS	T01568	04.03	34.962	27.77		1493.0							

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REFID 31 8142 YEAR 1969 BOTDP 02598 AIR TEMP 20.1 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 11 SHIP AZ WET BULB 16.3 07 4 2 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1019.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 18.6 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E33 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.6	OBS	00000	21.73	36.316	25.31		1526.3							
18.6	OBS	00023	21.71	36.313	25.32		1528.6							
18.6	OBS	00048	21.64	36.314	25.34		1528.8							
18.6	OBS	00072	21.65	36.310	25.33		1529.2							
18.6	OBS	00096	21.73	36.310	25.31		1529.8							
18.6	OBS	00142	21.70	36.324	25.33		1530.5							
18.6	OBS	T00187	18.28	36.515	26.38		1522.2							
18.6	OBS	00279	17.63	36.446	26.45		1521.7							
18.6	OBS	T00366	17.19	36.389	26.55		1521.8							
18.6	OBS	00453	17.05	36.376	26.58		1522.8							
18.6	OBS	00538	15.79	36.102	26.66		1520.0							
18.6	OBS	T00693	12.24	35.534	26.98		1510.3							
18.6	OBS	T00841	08.61											
18.6	OBS	T01299	04.91											

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REFID 31 8142 YEAR 1969 BOTDP 01737 AIR TEMP 19.8 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 11 SHIP AZ WET BULB 16.5 06 4 3 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 11.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E33 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.3	OBS	00000	21.77	36.359	25.33		1528.4							
11.3	OBS	00026	21.74	36.348	25.33		1528.7							
11.3	OBS	00053	21.67	36.348	25.35		1529.0							
11.3	OBS	00079	21.69	36.347	25.35		1529.5							
11.3	OBS	00106	20.02	36.549	25.96		1525.7							
11.3	OBS	00157	18.04	36.550	26.47		1521.0							
11.3	OBS	T00209	17.70	36.478	26.50		1520.8							
11.3	OBS	00314		36.393										
11.3	OBS	00415	17.16	36.363	26.54		1522.5							
11.3	OBS	00515		36.102										
11.3	OBS	00612	13.22	35.678	26.89		1512.5							
11.3	OBS	T00807	09.30	35.189	27.24		1501.3							
11.3	OBS	T00972	06.21	35.050	27.59		1492.0							
11.3	OBS	T01374	04.24	34.995	27.78		1490.6							

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TABLE XIII.—Continued

REFID 31 8142 YEAR 1969 BOTDP 04207 AIR TEMP 20.0 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 11 SHIP AZ WET BULB 16.1 06 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 07 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.0 AREA 05 CLOUD T/A 9/5 CL/TR WEATHER X1 ORIG E33 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.78	36.342	25.32		1523.4							
12.0	OBS	00028	21.74	36.346	25.33		1528.6							
12.0	OBS	00051	21.65	36.343	25.35		1528.9							
12.0	OBS	00078	21.38	36.389	25.46		1528.7							
12.0	OBS	00103	19.52	36.548	26.09		1524.3							
12.0	OBS	00152	18.24	36.524	26.40		1521.5							
12.0	OBS	T00202	17.86	36.483	26.46		1521.2							
12.0	OBS	00303	17.31	36.414	26.54		1521.1							
12.0	OBS	T00404	16.99	36.382	26.59		1521.8							
12.0	OBS	00503	16.47	36.265	26.63		1521.7							

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REFID 31 8142 YEAR 1969 BOTDP 04572 AIR TEMP 20.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 11 SHIP AZ WET BULB 16.4 04 1 3 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 08 DATA USE 1 BAROMETR 1021.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.2 AREA 05 CLOUD T/A 3/3 CL/TR WEATHER X1 ORIG E33 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	21.81	36.438	25.38		1528.6							
12.2	OBS	00023	21.78	36.439	25.39		1528.9							
12.2	OBS	00047	21.69	36.434	25.41		1529.1							
12.2	OBS	00071	21.94	36.525	25.41		1530.2							
12.2	OBS	00094	21.99	36.552	25.42		1530.7							
12.2	OBS	00143	17.91	36.494	26.46		1520.4							
12.2	OBS	00190	17.74	36.472	26.48		1520.6							
12.2	OBS	00285		36.413										
12.2	OBS	T00379	17.01	36.393	26.60		1521.5							
12.2	OBS	00469	16.91	36.367	26.60		1522.6							
12.2	OBS	00555	15.30	36.047	26.73		1516.7							
12.2	OBS	T00717	11.54	35.498	27.08		1508.3							
12.2	OBS	T00875	08.04	35.154	27.41		1497.7							
12.2	OBS	01298	04.68	35.028	27.76		1491.2							
15.3	OBS	T01897	03.88	34.979	27.80		1497.9							
15.3	OBS	02383	03.42	34.975	27.85		1504.3							
15.3	OBS	02670	02.99	34.954	27.87		1510.8							
15.3	OBS	T03358	02.58	34.925	27.88		1517.5							

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REFID 31 8142 YEAR 1969 BOTDP 03848 AIR TEMP 20.3 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 11 SHIP AZ WET BULB 16.3 07 1 3 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 09 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E33 015 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	21.50	36.332	25.39		1527.7							
12.2	OBS	00022	21.48	36.330	25.39		1528.0							
12.2	OBS	00046	21.39	36.330	25.42		1528.1							
12.2	OBS	00069	21.44	36.326	25.40		1528.7							
12.2	OBS	00092	21.52	36.339	25.39		1529.3							
12.2	OBS	00138	19.57	36.569	26.09		1525.1							
12.2	OBS	T00182	18.19	36.510	26.40		1521.8							
12.2	OBS	00268		36.455										
12.2	OBS	T00366	17.09	36.401	26.58		1521.5							
12.2	OBS	00448	16.92	36.370	26.60		1522.3							
12.2	OBS	00544	15.09	35.997	26.74		1517.8							
12.2	OBS	T00702	11.92	35.508	27.02		1509.4							
12.2	OBS	T00883	07.93	35.123	27.40		1497.4							
12.2	OBS	T01276	04.68	35.025	27.75		1490.9							

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REFID 31 8142 YEAR 1969 BOTDP 03749 AIR TEMP 22.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 11 SHIP AZ WET BULB 20.0 05 2 2 WIND-SPD 22 TRACE DIR 5 SQUARE 2
LAT 34 51 N DAY 11 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 049 46 W HOUR 11.9 AREA 05 CLOUD T/A 5/7 CL/TR WEATHER X1 ORIG E33 016 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	21.43	36.225	25.33		1527.4							
11.9	OBS	00032	21.43	36.226	25.33		1527.9							
11.9	OBS	00063	21.40	36.244	25.35		1528.4							
11.9	OBS	00095	19.64	36.397	26.09		1524.6							
11.9	OBS	00127	18.62	36.544	26.32		1522.2							
11.9	OBS	00190	17.73	36.467	26.48		1520.6							
11.9	OBS	T00253	17.29	36.422	26.55		1520.3							
11.9	OBS	00373	17.06	36.414	26.60		1521.6							
11.9	OBS	T00500	16.22	36.242	26.67		1520.9							
11.9	OBS	00626	14.06	35.841	26.84		1515.7							
11.9	OBS	00750	11.51	35.473	27.07		1508.7							
11.9	OBS	01000	07.18	35.107	27.50		1496.4							
11.9	OBS	T01250	05.07	35.045	27.72		1492.0							
11.9	OBS	T01872	03.94	34.985	27.80		1497.8							

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TABLE XIV.- Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 12 November 1969 - 3 December 1969, prepared from NODC listing No. 31 - 8137.

REFID 31 8137	YEAR 1969	BOTDP 04663	AIR TEMP 22.9	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 11	SHIP AI	WET BULB 19.7	25 3 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 12	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 21 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG E34 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.51	36.36	25.41		1527.7							
	OBS	00010	21.51	36.36	25.41		1527.9							
	OBS	00020	21.51	36.36	25.41		1528.1							
	OBS	00030	21.51	36.37	25.41		1528.2							
	OBS	00050	21.51	36.38	25.42		1528.6							
	OBS	00075	21.49	36.38	25.43		1528.9							
	OBS	00090	20.40	36.62	25.91		1526.6							
	OBS	00100	19.94	36.62	26.03		1525.5							
	OBS	00125	19.18	36.61	26.22		1523.8							
	OBS	00150	18.65	36.59	26.34		1522.7							
	OBS	00175	18.45	36.58	26.39		1522.5							
	OBS	00200	18.20	36.57	26.44		1522.2							
	OBS	00250	17.78	36.50	26.49		1521.8							
	OBS	00300	17.41	36.45	26.54		1521.4							
	OBS	00400	17.04	36.41	26.60		1521.9							
	OBS	00500	16.05	36.23	26.70		1520.4							
	OBS	00600	14.51	35.90	26.79		1516.8							
	OBS	00700	11.53	35.45	27.05		1507.9							
	OBS	00800	09.49	35.25	27.25		1502.0							
	OBS	00850	08.47	35.13	27.32		1498.9							
	OBS	00880	07.88	35.13	27.41		1497.1							
	OBS	00900	07.51	35.09	27.44		1496.0							
	OBS	01000	05.96	35.05	27.62		1491.5							
	OBS	01100	05.19	35.04	27.71		1490.0							
	OBS	01200	04.86	35.02	27.73		1490.3							
	OBS	01300	04.59	35.01	27.75		1490.9							
	OBS	01400	04.36	35.01	27.78		1491.6							
	OBS	01490	04.27	35.00	27.78		1492.7							

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REFID 31 8137	YEAR 1969	BOTDP 04938	AIR TEMP 23.9	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 11	SHIP AI	WET BULB 21.1	25 2 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 34 55 N	DAY 12	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 09 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG E34 002	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	21.33	36.28	25.40		1527.2							
	OBS	00010	21.21	36.29	25.44		1527.0							
	OBS	00020	21.21	36.30	25.44		1527.2							
	OBS	00030	21.21	36.31	25.45		1527.4							
	OBS	00050	21.22	36.31	25.45		1527.7							
	OBS	00060	21.25	36.37	25.49		1528.1							
	OBS	00075	21.22	36.35	25.48		1528.2							
	OBS	00100	19.59	36.58	26.09		1524.5							
	OBS	00125	18.71	36.56	26.30		1522.4							
	OBS	00150	18.16	36.55	26.44		1521.3							
	OBS	00200	17.46	36.47	26.55		1520.0							
	OBS	00250	17.10	36.43	26.60		1519.7							
	OBS	00260	17.00	36.40	26.61		1519.5							
	OBS	00300	16.97	36.40	26.61		1520.1							
	OBS	00350	16.91	36.42	26.64		1520.7							
	OBS	00400	16.38	36.29	26.67		1519.8							
	OBS	00500	15.12	36.08	26.79		1517.3							
	OBS	00600	13.19	35.75	26.95		1512.3							
	OBS	00700	11.12	35.44	27.11		1506.5							
	OBS	00800	09.11	35.22	27.29		1500.6							
	OBS	00900	07.29	35.10	27.48		1495.1							
	OBS	01000	06.16	35.06	27.60		1492.3							
	OBS	01100	05.29	35.05	27.70		1490.4							
	OBS	01200	04.91	35.04	27.74		1490.6							
	OBS	01300	04.68	35.03	27.76		1491.3							
	OBS	01400	04.36	35.00	27.77		1491.6							
	OBS	01500	04.25	35.01	27.79		1492.8							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTDP 04846 AIR TEMP 22.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 11 SHIP AI WET BULB 19.2 27 2 3 WIND-SPD 11 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 13 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 08 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 003 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.43	36.38	25.44		1527.6							
	OBS	00010	21.42	36.39	25.45		1527.7							
	OBS	00020	21.42	36.39	25.45		1527.9							
	OBS	00030	21.42	36.39	25.45		1528.0							
	OBS	00050	21.40	36.39	25.46		1528.3							
	OBS	00075	21.40	36.39	25.46		1528.7							
	OBS	00100	19.71	36.62	26.09		1524.9							
	OBS	00125	18.78	36.60	26.32		1522.7							
	OBS	00150	18.29	36.57	26.42		1521.7							
	OBS	00200	17.68	36.51	26.52		1520.7							
	OBS	00250	17.49	36.49	26.56		1520.9							
	OBS	00300	17.18	36.45	26.60		1520.8							
	OBS	00400	16.91	36.42	26.64		1521.6							
	OBS	00500	15.71	36.17	26.73		1519.3							
	OBS	00600	13.25	35.75	26.94		1512.5							
	OBS	00700	11.37	35.45	27.08		1507.3							
	OBS	00800	09.45	35.23	27.24		1501.8							
	OBS	00900	07.47	35.13	27.47		1495.9							
	OBS	01000	05.99	35.05	27.61		1491.6							
	OBS	01100	05.40	35.05	27.69		1490.9							
	OBS	01200	04.94	35.03	27.73		1490.7							
	OBS	01300	04.69	35.02	27.75		1491.3							
	OBS	01400	04.39	34.99	27.76		1491.7							
	OBS	01500	04.26	34.99	27.77		1492.8							

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REFID 31 8137 YEAR 1969 BOTDP 04480 AIR TEMP 23.3 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 11 SHIP AI WET BULB 19.9 24 2 4 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 13 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 02 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	21.62	36.36	25.38		1528.0							
	OBS	00010	21.50	36.36	25.41		1527.9							
	OBS	00020	21.50	36.36	25.41		1528.0							
	OBS	00030	21.47	36.36	25.42		1528.1							
	OBS	00050	21.46	36.36	25.42		1528.4							
	OBS	00075	21.45	36.37	25.43		1528.8							
	OBS	00100	19.85	36.67	26.09		1525.3							
	OBS	00125	19.27	36.62	26.21		1524.1							
	OBS	00150	18.87	36.59	26.29		1523.3							
	OBS	00200	18.33	36.57	26.41		1522.6							
	OBS	00250	17.85	36.51	26.48		1522.0							
	OBS	00300	17.46	36.46	26.54		1521.6							
	OBS	00400	17.01	36.41	26.61		1521.8							
	OBS	00500	16.12	36.26	26.71		1520.6							
	OBS	00600	13.84	35.87	26.91		1514.6							
	OBS	00700	11.61	35.49	27.06		1508.2							
	OBS	00800	09.30	35.27	27.30		1501.3							
	OBS	00900	07.42	35.11	27.47		1495.7							
	OBS	01000	06.19	35.07	27.60		1492.4							
	OBS	01100	05.42	35.03	27.67		1490.9							
	OBS	01200	05.06	35.03	27.71		1491.1							
	OBS	01300	04.79	35.01	27.73		1491.7							
	OBS	01400	04.46	35.01	27.77		1492.0							
	OBS	01500	04.35	35.01	27.78		1493.2							

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REFID 31 8137 YEAR 1969 BOTDP 04114 AIR TEMP 21.7 DIR HGT PER WIND-DIR 36 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 11 SHIP AI WET BULB 19.1 02 1 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 16 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 58 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	21.33	36.29	25.40		1527.2							
	OBS	00010	21.25	36.30	25.43		1527.2							
	OBS	00020	21.23	36.30	25.44		1527.3							
	OBS	00030	21.19	36.30	25.45		1527.3							
	OBS	00050	21.19	36.31	25.46		1527.7							
	OBS	00075	21.24	36.34	25.47		1528.2							
	OBS	00100	19.93	36.54	25.97		1525.4							
	OBS	00125	18.74	36.53	26.27		1522.5							
	OBS	00150	18.24	36.55	26.42		1521.5							
	OBS	00200	17.81	36.53	26.51		1521.1							
	OBS	00250	17.52	36.50	26.58		1521.0							
	OBS	00300	17.22	36.46	26.60		1520.9							
	OBS	00400	16.91	36.42	26.64		1521.6							
	OBS	00430	16.83	36.42	26.66		1521.8							
	OBS	00500	15.52	36.12	26.74		1518.6							
	OBS	00600	13.51	35.78	26.91		1513.4							
	OBS	00700	11.60	35.50	27.07		1508.2							
	OBS	00800	09.29	35.24	27.28		1501.2							
	OBS	00900	07.30	35.09	27.47		1495.2							
	OBS	01000	06.09	35.06	27.61		1492.0							
	OBS	01100	05.40	35.06	27.70		1490.9							
	OBS	01200	04.95	35.05	27.74		1490.7							
	OBS	01300	04.63	35.02	27.75		1491.0							
	OBS	01400	04.41	35.01	27.77		1491.8							
	OBS	01500	04.24	35.01	27.79		1492.8							

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TABLE XIV.—Continued

REFID 31 8137	YEAR 1969	BOTDP 03840	AIR TEMP 26.2	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 11	SHIP AI	WET BULB 23.7	03 1 2	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 16	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 59 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E34 006	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	21.65	36.32	25.34		1528.1							
	OBS	00010	21.65	36.33	25.34		1528.2							
	OBS	00020	21.26	36.29	25.42		1527.3							
	OBS	00030	21.38	36.36	25.44		1527.9							
	OBS	00050	21.26	36.34	25.46		1527.9							
	OBS	00075	21.30	36.39	25.49		1528.5							
	OBS	00100	19.15	36.56	26.19		1523.3							
	OBS	00125	18.37	36.60	26.42		1521.5							
	OBS	00150	18.12	36.57	26.46		1521.2							
	OBS	00200	17.80	36.53	26.51		1521.0							
	OBS	00250	17.58	36.52	26.56		1521.2							
	OBS	00300	17.31	36.49	26.60		1521.2							
	OBS	00400	16.99	36.45	26.65		1521.8							
	OBS	00470	16.66	36.36	26.66		1521.9							
	OBS	00500	15.92	36.17	26.68		1519.9							
	OBS	00600	13.62	35.77	26.88		1513.7							
	OBS	00700	11.48	35.49	27.09		1507.8							
	OBS	00800	09.21	35.23	27.28		1500.9							
	OBS	00900	07.24	35.11	27.49		1495.0							
	OBS	01000	05.93	35.07	27.64		1491.4							
	OBS	01100	05.36	35.06	27.70		1490.7							
	OBS	01200	05.04	35.05	27.73		1491.1							
	OBS	01300	04.80	35.04	27.75		1491.8							
	OBS	01400	04.58	35.04	27.78		1492.5							
	OBS	01500	04.32	35.02	27.79		1493.1							

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REFID 31 8137	YEAR 1969	BOTDP 03383	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 06	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 11	SHIP AI	WET BULB 17.4	06 2 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 17	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 02 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E34 007	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.55	36.35	25.39		1527.8							
	OBS	00010	21.47	36.35	25.41		1527.8							
	OBS	00020	21.47	36.35	25.41		1528.0							
	OBS	00030	21.46	36.35	25.41		1528.1							
	OBS	00050	21.35	36.35	25.44		1528.1							
	OBS	00075	21.40	36.40	25.47		1528.7							
	OBS	00080	21.08	36.53	25.65		1528.1							
	OBS	00100	19.25	36.52	26.14		1523.5							
	OBS	00125	18.65	36.49	26.27		1522.2							
	OBS	00150	18.23	36.52	26.40		1521.4							
	OBS	00200	17.84	36.49	26.47		1521.1							
	OBS	00250	17.49	36.48	26.55		1520.9							
	OBS	00300	17.33	36.43	26.55		1521.2							
	OBS	00400	16.92	36.39	26.62		1521.6							
	OBS	00500	15.84	36.13	26.67		1519.6							
	OBS	00600	14.02	35.70	26.74		1515.0							
	OBS	00700	11.51	35.43	27.03		1507.8							
	OBS	00800	09.37	35.18	27.22		1501.5							
	OBS	00900	07.52	35.06	27.41		1496.0							
	OBS	01000	06.08	35.02	27.58		1491.9							
	OBS	01100	05.30	35.01	27.67		1490.4							
	OBS	01200	05.05	35.04	27.72		1491.1							
	OBS	01300	04.80	35.03	27.74		1491.8							
	OBS	01400	04.46	34.99	27.75		1492.0							
	OBS	01500	04.33	34.99	27.76		1493.1							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BCTDP 04572 AIR TEMP 20.1 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
CONSEC 0008 MONTH 11 SHIP AI WET BULB 18.5 08 1 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4
LAT 35 22 N DAY 18 DATA USE 1 BAROMETR 1007.8 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 12 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 008 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	21.40	36.48	25.53		1527.6							
	OBS	00010	21.40	36.49	25.54		1527.8							
	OBS	00020	21.40	36.50	25.54		1527.9							
	OBS	00030	21.41	36.52	25.56		1528.2							
	OBS	00050	21.41	36.52	25.56		1528.5							
	OBS	00075	20.99	36.43	25.60		1527.7							
	OBS	00100	18.38	36.49	26.33		1521.0							
	OBS	00125	17.79	36.49	26.48		1519.7							
	OBS	00150	17.40	36.45	26.55		1518.9							
	OBS	00200	16.97	36.41	26.62		1518.4							
	OBS	00250	16.87	36.41	26.64		1519.0							
	OBS	00300	16.71	36.38	26.66		1519.3							
	OBS	00400	15.66	36.19	26.76		1517.5							
	OBS	00500	14.08	35.88	26.87		1513.7							
	OBS	00600	12.55	35.62	26.98		1510.0							
	OBS	00700	10.75	35.38	27.14		1505.1							
	OBS	00800	07.93	35.12	27.40		1496.0							
	OBS	00900	07.22	35.18	27.55		1495.0							
	OBS	00960	06.91	35.21	27.62		1494.8							
	OBS	00985	06.47	35.17	27.65		1493.4							
	OBS	01000	06.47	35.18	27.65		1493.7							
	OBS	01100	06.09	35.19	27.71		1493.9							
	OBS	01200	05.68	35.14	27.72		1493.8							
	OBS	01300	05.16	35.11	27.76		1493.3							
	OBS	01400	04.73	35.06	27.78		1493.2							
	OBS	01500	04.25	34.98	27.77		1492.8							

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REFID 31 8137 YEAR 1969 BOTDP AIR TEMP 22.7 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0009 MONTH 11 SHIP AI WET BULB 18.7 10 1 2 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4
LAT 35 10 N DAY 18 DATA USE 1 BAROMETR 1005.1 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 03 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	21.66	36.39	25.39		1528.2							
	OBS	00010	21.38	36.40	25.47		1527.6							
	OBS	00020	21.35	36.41	25.49		1527.7							
	OBS	00030	21.38	36.43	25.50		1528.0							
	OBS	00050	21.32	36.43	25.51		1528.1							
	OBS	00075	19.40	36.39	26.00		1523.3							
	OBS	00100	18.23	36.55	26.42		1520.7							
	OBS	00125	17.78	36.49	26.48		1519.7							
	OBS	00150	17.44	36.38	26.48		1519.0							
	OBS	00200	16.88	36.39	26.63		1518.1							
	OBS	00250	16.55	36.32	26.65		1517.9							
	OBS	00300	15.99	36.23	26.71		1516.9							
	OBS	00400	14.83	35.99	26.79		1514.6							
	OBS	00500	13.59	35.78	26.89		1512.0							
	OBS	00600	12.17	35.59	27.03		1508.6							
	OBS	00700	10.14	35.27	27.16		1502.7							
	OBS	00800	08.17	35.08	27.33		1496.8							
	OBS	00900	06.89	35.15	27.57		1493.6							
	OBS	01000	06.60	35.20	27.65		1494.2							
	OBS	01100	06.26	35.21	27.71		1494.6							
	OBS	01200	05.87	35.20	27.75		1494.7							
	OBS	01300	05.29	35.15	27.78		1493.9							
	OBS	01400	04.96	35.11	27.79		1494.2							
	OBS	01500	04.33	35.03	27.80		1493.2							

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REFID 31 8137 YEAR 1969 BOTDP 03840 AIR TEMP 20.4 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0010 MONTH 11 SHIP AI WET BULB 18.4 10 4 3 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4
LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1003.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 02 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E34 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	21.19	36.30	25.45		1526.8							
	OBS	00010	21.18	36.32	25.47		1527.0							
	OBS	00020	21.19	36.32	25.46		1527.2							
	OBS	00030	21.18	36.35	25.49		1527.4							
	OBS	00050	21.21	36.35	25.48		1527.8							
	OBS	00075	21.20	36.38	25.51		1528.2							
	OBS	00100	19.82	36.61	26.05		1525.2							
	OBS	00125	19.15	36.61	26.23		1523.7							
	OBS	00150	18.50	36.54	26.34		1522.2							
	OBS	00200	17.85	36.54	26.51		1521.2							
	OBS	00250	17.49	36.50	26.56		1520.9							
	OBS	00300	17.30	36.48	26.59		1521.1							
	OBS	00400	16.93	36.44	26.65		1521.6							
	OBS	00500	16.35	36.30	26.68		1521.4							
	OBS	00600	14.00	35.81	26.83		1515.0							
	OBS	00700	11.41	35.47	27.08		1507.5							
	OBS	00800	09.39	35.19	27.22		1501.5							
	OBS	00900	07.51	35.07	27.42		1495.9							
	OBS	01000	06.32	35.08	27.54		1493.0							
	OBS	01100	05.48	35.05	27.68		1491.2							
	OBS	01200	05.05	35.04	27.72		1491.1							
	OBS	01300	04.79	35.03	27.74		1491.7							
	OBS	01400	04.49	35.01	27.76		1492.1							
	OBS	01500	04.31	35.00	27.77		1493.0							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTDP 04023 AIR TEMP 21.4 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 11 SHIP AI WET BULB 18.5 15 3 3 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 20 DATA USE 1 BAROMETR 1007.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.10	36.37	25.53		1526.7							
	OBS	00010	21.00	36.37	25.55		1526.6							
	OBS	00020	21.00	36.37	25.55		1526.7							
	OBS	00030	20.99	36.37	25.56		1526.9							
	OBS	00050	20.99	36.37	25.56		1527.2							
	OBS	00075	21.00	36.41	25.59		1527.7							
	OBS	00100	19.92	36.46	25.91		1525.3							
	OBS	00125	18.80	36.53	26.26		1522.7							
	OBS	00150	18.28	36.53	26.39		1521.6							
	OBS	00200	17.71	36.50	26.51		1520.7							
	OBS	00250	17.39	36.46	26.56		1520.6							
	OBS	00300	17.09	36.42	26.60		1520.5							
	OBS	00400	16.82	36.41	26.66		1521.3							
	OBS	00500	15.80	36.18	26.72		1519.5							
	OBS	00600	13.81	35.76	26.83		1514.3							
	OBS	00700	10.99	35.39	27.10		1505.9							
	OBS	00800	09.15	35.18	27.25		1500.6							
	OBS	00900	07.12	35.09	27.49		1494.5							
	OBS	01000	06.09	35.05	27.60		1492.0							
	OBS	01100	05.44	35.03	27.67		1491.0							
	OBS	01200	04.96	35.02	27.72		1490.7							
	OBS	01300	04.63	35.01	27.75		1491.0							
	OBS	01400	04.35	35.00	27.77		1491.5							
	OBS	01500	04.23	35.00	27.78		1492.7							

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REFID 31 8137 YEAR 1969 BOTDP 04526 AIR TEMP 22.9 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 11 SHIP AI WET BULB 19.9 16 3 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 20 DATA USE 1 BAROMETR 1007.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 13 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	21.25	36.31	25.44		1527.0							
	OBS	00010	21.22	36.34	25.47		1527.1							
	OBS	00020	21.02	36.35	25.53		1526.8							
	OBS	00030	21.01	36.37	25.55		1526.9							
	OBS	00050	21.08	36.43	25.58		1527.5							
	OBS	00075	20.50	36.58	25.85		1526.6							
	OBS	00100	19.40	36.59	26.15		1524.0							
	OBS	00125	18.65	36.57	26.33		1522.3							
	OBS	00150	18.20	36.55	26.43		1521.4							
	OBS	00200	17.75	36.51	26.51		1520.9							
	OBS	00250	17.50	36.49	26.55		1520.9							
	OBS	00300	17.28	36.46	26.58		1521.1							
	OBS	00400	16.97	36.43	26.64		1521.8							
	OBS	00500	16.00	36.21	26.70		1520.2							
	OBS	00600	14.10	35.79	26.79		1515.3							
	OBS	00700	10.64	35.47	27.23		1504.8							
	OBS	00800	09.24	35.21	27.26		1501.0							
	OBS	00900	07.24	35.09	27.48		1494.9							
	OBS	01000	06.21	35.06	27.59		1492.5							
	OBS	01100	05.31	35.02	27.68		1490.5							
	OBS	01200	04.92	35.03	27.73		1490.6							
	OBS	01300	04.68	35.02	27.75		1491.3							
	OBS	01400	04.42	35.00	27.76		1491.8							
	OBS	01500	04.24	34.99	27.77		1492.7							

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REFID 31 8137 YEAR 1969 BOTDP 04755 AIR TEMP 20.6 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 11 SHIP AI WET BULB 17.4 17 2 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1011.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 04 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	21.05	36.39	25.56		1526.6							
	OBS	00010	21.03	36.39	25.56		1526.7							
	OBS	00020	21.02	36.39	25.56		1526.8							
	OBS	00030	21.02	36.40	25.57		1527.0							
	OBS	00050	21.01	36.40	25.57		1527.3							
	OBS	00075	21.01	36.41	25.56		1527.7							
	OBS	00100	19.08	36.57	26.22		1523.1							
	OBS	00125	18.60	36.57	26.34		1522.1							
	OBS	00150	18.21	36.56	26.43		1521.4							
	OBS	00200	17.79	36.54	26.52		1521.0							
	OBS	00250	17.46	36.50	26.57		1520.8							
	OBS	00300	17.19	36.46	26.61		1520.6							
	OBS	00400	16.96	36.44	26.65		1521.7							
	OBS	00500	15.72	36.16	26.72		1519.3							
	OBS	00600	13.50	35.74	26.88		1513.3							
	OBS	00700	11.62	35.40	26.99		1508.2							
	OBS	00800	09.12	35.21	27.28		1500.6							
	OBS	00900	07.05	35.08	27.50		1494.2							
	OBS	01000	05.99	35.06	27.62		1491.6							
	OBS	01100	05.28	35.03	27.69		1490.4							
	OBS	01200	04.99	35.03	27.72		1490.9							
	OBS	01300	04.71	35.03	27.75		1491.4							
	OBS	01400	04.44	35.00	27.76		1491.9							
	OBS	01500	04.22	34.99	27.78		1492.7							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTDP 04389 AIR TEMP 24.1 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 11 SHIP AI WET BULB 20.4 17 2 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2
LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1011.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 08 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 014 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	21.23	36.37	25.49		1527.0							
	OBS	00010	21.15	36.37	25.51		1527.0							
	OBS	00020	21.05	36.37	25.54		1526.9							
	OBS	00030	21.03	36.38	25.55		1527.0							
	OBS	00050	21.03	36.38	25.55		1527.3							
	OBS	00075	21.00	36.43	25.60		1527.7							
	OBS	00100	19.17	36.56	26.19		1523.3							
	OBS	00125	18.58	36.56	26.34		1522.1							
	OBS	00150	18.16	36.54	26.43		1521.3							
	OBS	00200	17.59	36.50	26.54		1520.4							
	OBS	00250	17.32	36.47	26.58		1520.4							
	OBS	00300	17.05	36.43	26.62		1520.3							
	OBS	00400	16.91	36.43	26.65		1521.6							
	OBS	00500	15.89	36.15	26.67		1519.8							
	OBS	00600	13.98	35.79	26.82		1514.9							
	OBS	00700	11.32	35.41	27.05		1507.1							
	OBS	00800	08.97	35.17	27.28		1500.0							
	OBS	00900	07.13	35.07	27.48		1494.5							
	OBS	01000	05.97	35.08	27.64		1491.6							
	OBS	01100	05.39	35.05	27.69		1490.9							
	OBS	01200	05.00	35.02	27.71		1490.9							
	OBS	01300	04.83	35.03	27.74		1491.9							
	OBS	01400	04.48	35.01	27.76		1492.1							
	OBS	01500	04.26	34.99	27.77		1492.8							

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REFID 31 8137 YEAR 1969 BOTDP 04297 AIR TEMP 21.2 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0015 MONTH 11 SHIP AI WET BULB 18.3 16 1 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2
LAT 34 53 N DAY 22 DATA USE 1 BAROMETR 1014.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 11 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	21.19	36.36	25.49		1526.9							
	OBS	00010	21.18	36.38	25.51		1527.1							
	OBS	00020	21.14	36.38	25.52		1527.1							
	OBS	00030	21.13	36.39	25.53		1527.3							
	OBS	00050	21.13	36.39	25.53		1527.6							
	OBS	00075	21.11	36.41	25.55		1528.0							
	OBS	00100	20.11	36.58	25.95		1525.9							
	OBS	00125	18.92	36.58	26.27		1523.1							
	OBS	00150	18.39	36.56	26.39		1521.9							
	OBS	00200	17.62	36.50	26.53		1520.5							
	OBS	00250	17.40	36.48	26.57		1520.6							
	OBS	00300	17.09	36.44	26.61		1520.5							
	OBS	00400	16.87	36.42	26.65		1521.4							
	OBS	00500	15.59	36.13	26.73		1518.8							
	OBS	00600	13.42	35.74	26.90		1513.0							
	OBS	00700	11.41	35.44	27.06		1507.5							
	OBS	00800	09.03	35.20	27.29		1500.2							
	OBS	00900	07.15	35.08	27.48		1494.6							
	OBS	01000	06.02	35.06	27.62		1491.7							
	OBS	01100	05.39	35.04	27.68		1490.8							
	OBS	01200	04.99	35.03	27.72		1490.9							
	OBS	01300	04.77	35.03	27.75		1491.6							
	OBS	01400	04.58	35.02	27.76		1492.5							
	OBS	01500	04.31	35.00	27.77		1493.0							

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REFID 31 8137 YEAR 1969 BOTDP 04938 AIR TEMP 22.9 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0016 MONTH 11 SHIP AI WET BULB 19.6 22 1 3 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2
LAT 34 47 N DAY 22 DATA USE 1 BAROMETR 1013.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 13 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	21.40	36.35	25.43		1527.4							
	OBS	00010	21.18	36.35	25.49		1527.0							
	OBS	00020	21.17	36.35	25.49		1527.2							
	OBS	00030	21.17	36.35	25.49		1527.3							
	OBS	00040	21.18	36.37	25.51		1527.5							
	OBS	00050	20.65	36.27	25.57		1526.2							
	OBS	00065	20.00	36.12	25.63		1524.5							
	OBS	00075	20.10	36.20	25.67		1525.0							
	OBS	00090	20.40	36.56	25.86		1526.5							
	OBS	00100	19.59	36.57	26.08		1524.5							
	OBS	00125	18.86	36.58	26.28		1522.9							
	OBS	00150	18.28	36.55	26.41		1521.6							
	OBS	00200	17.86	36.52	26.49		1521.2							
	OBS	00250	17.37	36.47	26.57		1520.5							
	OBS	00300	17.08	36.44	26.62		1520.4							
	OBS	00400	16.92	36.43	26.65		1521.6							
	OBS	00500	15.48	36.05	26.69		1518.4							
	OBS	00600	13.32	35.68	26.87		1512.6							
	OBS	00700	10.61	35.28	27.08		1504.4							
	OBS	00800	08.53	35.12	27.31		1498.3							
	OBS	00900	06.86	35.07	27.51		1493.4							
	OBS	01000	05.77	35.04	27.63		1490.7							
	OBS	01100	05.19	35.03	27.70		1490.0							
	OBS	01200	04.91	35.02	27.72		1490.5							
	OBS	01300	04.63	35.01	27.75		1491.0							
	OBS	01400	04.39	35.01	27.77		1491.7							
	OBS	01500	04.21	34.99	27.78		1492.6							

TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTDP 04938 AIR TEMP 20.5 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 11 SHIP AI WET BULB 17.4 28 1 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 48 N DAY 23 DATA USE 1 BAROMETR 1012.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 13 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 017 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.24	36.37	25.49		1527.0							
	OBS	00010	21.24	36.38	25.50		1527.2							
	OBS	00020	21.26	36.38	25.49		1527.4							
	OBS	00030	21.25	36.39	25.50		1527.6							
	OBS	00050	21.19	36.40	25.53		1527.8							
	OBS	00075	21.00	36.43	25.60		1527.7							
	OBS	00100	19.44	36.59	26.14		1524.1							
	OBS	00125	18.77	36.58	26.30		1522.6							
	OBS	00150	18.38	36.57	26.40		1521.9							
	OBS	00200	17.80	36.53	26.51		1521.0							
	OBS	00250	17.43	36.50	26.58		1520.7							
	OBS	00300	17.14	36.45	26.61		1520.6							
	OBS	00400	16.92	36.44	26.66		1521.6							
	OBS	00500	15.98	36.20	26.65		1520.1							
	OBS	00600	13.58	35.77	26.89		1513.6							
	OBS	00700	11.38	35.42	27.05		1507.3							
	OBS	00800	08.79	35.14	27.28		1499.3							
	OBS	00900	07.04	35.08	27.50		1494.1							
	OBS	01000	05.94	35.07	27.64		1491.4							
	OBS	01100	05.30	35.03	27.68		1490.5							
	OBS	01200	04.98	35.03	27.72		1490.8							
	OBS	01300	04.60	35.01	27.75		1490.9							
	OBS	01400	04.38	34.99	27.76		1491.6							
	OBS	01500	04.17	34.98	27.77		1492.4							

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REFID 31 8137 YEAR 1969 BOTDP AIR TEMP 20.6 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 11 SHIP AI WET BULB 18.5 16 4 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 23 N DAY 26 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 04 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E34 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	20.10	36.12	25.61		1523.7							
	OBS	00010	20.09	36.13	25.62		1523.9							
	OBS	00020	20.08	36.13	25.62		1524.0							
	OBS	00030	20.08	36.13	25.62		1524.2							
	OBS	00050	20.09	36.18	25.66		1524.6							
	OBS	00075	20.19	36.22	25.66		1525.3							
	OBS	00100	20.42	36.36	25.70		1526.3							
	OBS	00125	18.54	36.36	26.20		1521.7							
	OBS	00150	18.22	36.48	26.37		1521.4							
	OBS	00200	17.54	36.44	26.51		1520.2							
	OBS	00250	17.02	36.40	26.60		1519.4							
	OBS	00300	16.44	36.28	26.65		1518.3							
	OBS	00400	14.87	35.97	26.77		1514.7							
	OBS	00500	13.01	35.67	26.93		1509.9							
	OBS	00600	10.97	35.35	27.07		1504.2							
	OBS	00700	09.18	35.15	27.23		1499.1							
	OBS	00800	06.89	35.02	27.47		1491.8							
	OBS	00900	06.12	35.05	27.60		1490.5							
	OBS	01000	05.34	35.03	27.68		1489.0							
	OBS	01100	04.91	35.03	27.73		1488.9							
	OBS	01200	04.77	35.02	27.74		1490.0							
	OBS	01300	04.55	35.01	27.76		1490.7							
	OBS	01400	04.36	35.00	27.77		1491.6							
	OBS	01500	04.22	35.00	27.78		1492.7							

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EFID 31 8137 YEAR 1969 BOTDP 04572 AIR TEMP 20.2 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206
ONSEC 0019 MONTH 11 SHIP AI WET BULB 17.1 09 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
AT 35 00 N DAY 27 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
ONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 019 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	20.19	36.22	25.66		1524.1							
	OBS	00010	20.19	36.23	25.67		1524.3							
	OBS	00020	20.19	36.23	25.67		1524.4							
	OBS	00030	20.20	36.24	25.67		1524.6							
	OBS	00050	20.20	36.25	25.68		1525.0							
	OBS	00075	20.19	36.25	25.68		1525.3							
	OBS	00100	20.28	36.28	25.68		1526.0							
	OBS	00125	18.98	36.45	26.15		1523.1							
	OBS	00150	17.98	36.43	26.39		1520.6							
	OBS	00200	17.48	36.43	26.51		1520.0							
	OBS	00250	17.16	36.41	26.57		1519.8							
	OBS	00300	17.06	36.42	26.61		1520.4							
	OBS	00400	15.18	36.03	26.74		1515.8							
	OBS	00500	13.57	35.73	26.86		1511.9							
	OBS	00600	11.37	35.43	27.06		1505.7							
	OBS	00700	08.98	35.14	27.25		1498.3							
	OBS	00800	07.47	35.06	27.42		1494.1							
	OBS	00900	05.96	35.06	27.63		1489.8							
	OBS	01000	05.36	35.06	27.70		1489.1							
	OBS	01100	04.96	35.04	27.73		1489.1							
	OBS	01200	04.63	35.02	27.75		1489.4							
	OBS	01300	04.40	35.02	27.78		1490.1							
	OBS	01400	04.25	35.01	27.79		1491.1							
	OBS	01500	04.16	35.00	27.79		1492.4							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTDP 05480 AIR TEMP 21.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0020 MONTH 11 SHIP AI WET BULB 17.5 09 2 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1014.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 53 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 020 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	20.79	36.35	25.60		1525.8							
	OBS	00010	20.77	36.35	25.60		1525.9							
	OBS	00020	20.77	36.36	25.61		1526.1							
	OBS	00030	20.80	36.38	25.62		1526.4							
	OBS	00050	20.77	36.40	25.64		1526.7							
	OBS	00075	20.71	36.40	25.66		1526.9							
	OBS	00100	18.85	36.54	26.25		1522.4							
	OBS	00125	18.19	36.52	26.41		1520.9							
	OBS	00150	17.89	36.52	26.48		1520.5							
	OBS	00200	17.42	36.48	26.57		1519.9							
	OBS	00250	17.15	36.44	26.60		1519.8							
	OBS	00300	16.97	36.42	26.63		1520.1							
	OBS	00400	15.39	36.04	26.70		1516.5							
	OBS	00500	13.90	35.80	26.84		1513.0							
	OBS	00600	11.54	35.48	27.07		1506.3							
	OBS	00700	09.48	35.22	27.23		1500.3							
	OBS	00800	08.02	35.18	27.43		1496.4							
	OBS	00900	06.57	35.10	27.58		1492.3							
	OBS	01000	05.68	35.05	27.65		1490.4							
	OBS	01100	05.15	35.02	27.69		1489.d							
	OBS	01200	04.77	35.01	27.73		1489.9							
	OBS	01300	04.35	35.00	27.77		1489.9							
	OBS	01400	04.31	34.99	27.77		1491.4							
	OBS	01500	04.18	34.99	27.78		1492.5							

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REFID 31 8137 YEAR 1969 BOTDP 04938 AIR TEMP 21.9 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206
CONSEC 0021 MONTH 11 SHIP AI WET BULB 19.3 33 2 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 34 42 N DAY 28 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 021 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	20.34	36.24	25.63		1524.5							
	OBS	00010	20.34	36.25	25.64		1524.7							
	OBS	00020	20.34	36.25	25.64		1524.8							
	OBS	00030	20.35	36.26	25.65		1525.0							
	OBS	00050	20.36	36.26	25.64		1525.4							
	OBS	00075	20.41	36.32	25.68		1526.0							
	OBS	00090	19.40	36.44	26.04		1523.7							
	OBS	00100	18.46	36.42	26.26		1521.2							
	OBS	00125	17.76	36.44	26.45		1519.6							
	OBS	00150	17.55	36.46	26.52		1519.4							
	OBS	00200	17.36	36.48	26.58		1519.7							
	OBS	00250	17.06	36.43	26.61		1519.6							
	OBS	00300	16.95	36.43	26.64		1520.0							
	OBS	00400	15.25	36.07	26.76		1516.1							
	OBS	00500	13.36	35.75	26.92		1511.2							
	OBS	00600	10.66	35.45	27.21		1503.2							
	OBS	00700	09.21	35.19	27.25		1499.2							
	OBS	00800	07.17	35.10	27.49		1493.0							
	OBS	00900	06.32	35.10	27.61		1491.3							
	OBS	01000	05.47	35.04	27.67		1489.5							
	OBS	01100	05.07	35.04	27.72		1489.5							
	OBS	01200	04.76	35.02	27.74		1489.9							
	OBS	01300	04.49	35.01	27.76		1490.5							
	OBS	01400	04.36	35.01	27.78		1491.6							
	OBS	01500	04.16	35.00	27.79		1492.4							

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REFID 31 8137 YEAR 1969 BOTDP AIR TEMP 21.8 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206
CONSEC 0022 MONTH 11 SHIP AI WET BULB 19.1 31 3 3 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 28 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 02 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 022 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	20.19	36.30	25.72		1524.2							
	OBS	00010	20.18	36.30	25.72		1524.3							
	OBS	00020	20.18	36.30	25.72		1524.5							
	OBS	00030	20.18	36.30	25.72		1524.6							
	OBS	00050	20.18	36.30	25.72		1525.0							
	OBS	00075	19.67	36.55	26.05		1524.3							
	OBS	00100	18.81	36.57	26.25		1522.3							
	OBS	00125	18.17	36.50	26.40		1520.8							
	OBS	00140	17.65	36.42	26.46		1519.5							
	OBS	00150	17.74	36.47	26.48		1520.0							
	OBS	00200	17.25	36.45	26.58		1519.3							
	OBS	00250	17.00	36.42	26.62		1519.4							
	OBS	00300	16.85	36.42	26.66		1519.7							
	OBS	00400	14.71	35.97	26.80		1514.2							
	OBS	00500	12.99	35.69	26.95		1509.9							
	OBS	00600	11.17	35.43	27.10		1505.0							
	OBS	00700	08.83	35.17	27.30		1497.8							
	OBS	00800	07.15	35.07	27.47		1492.9							
	OBS	00900	05.99	35.06	27.62		1490.0							
	OBS	01000	05.22	35.03	27.69		1488.5							
	OBS	01100	04.93	35.03	27.73		1489.0							
	OBS	01200	04.70	35.01	27.74		1489.6							
	OBS	01300	04.43	35.00	27.76		1490.2							
	OBS	01400	04.18	35.00	27.79		1490.8							
	OBS	01500	04.12	35.00	27.79		1492.3							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTDP 04663 AIR TEMP 20.3 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206
CONSEC 0023 MONTH 11 SHIP AI WET BULB 16.8 35 1 2 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2
LAT 34 03 N DAY 29 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 37 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 023 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	20.72	36.38	25.64		1525.7							
	OBS	00010	20.72	36.39	25.65		1525.9							
	OBS	00020	20.72	36.40	25.65		1526.0							
	OBS	00030	20.73	36.41	25.66		1526.2							
	OBS	00050	20.73	36.41	25.66		1526.6							
	OBS	00075	20.38	36.54	25.85		1526.2							
	OBS	00100	18.37	36.53	26.37		1521.0							
	OBS	00125	18.04	36.53	26.45		1520.5							
	OBS	00150	17.80	36.50	26.49		1520.2							
	OBS	00200	17.53	36.50	26.55		1520.2							
	OBS	00250	17.18	36.45	26.60		1519.9							
	OBS	00300	17.01	36.44	26.63		1520.2							
	OBS	00400	16.66	36.34	26.64		1520.7							
	OBS	00500	15.00	36.01	26.77		1516.8							
	OBS	00600	12.59	35.61	26.97		1510.1							
	OBS	00700	10.20	35.26	27.14		1502.9							
	OBS	00800	08.39	35.17	27.37		1497.8							
	OBS	00900	06.99	35.11	27.53		1494.0							
	OBS	01000	05.71	35.04	27.64		1490.5							
	OBS	01100	05.15	35.03	27.70		1489.8							
	OBS	01200	04.83	35.02	27.73		1490.2							
	OBS	01300	04.55	35.00	27.75		1490.7							
	OBS	01400	04.35	34.99	27.76		1491.5							
	OBS	01500	04.20	34.98	27.77		1492.6							

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REFID 31 8137 YEAR 1969 BOTDP 05486 AIR TEMP 20.2 DIR HGT PER WIND-DIR 36 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 11 SHIP AI WET BULB 17.6 35 1 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2
LAT 33 35 N DAY 29 DATA USE 1 BAROMETR 1023.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 28
LONG 049 00 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 024 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	20.70	36.35	25.62		1525.6							
	OBS	00010	20.69	36.36	25.63		1525.7							
	OBS	00020	20.69	36.37	25.64		1525.9							
	OBS	00030	20.65	36.37	25.65		1526.0							
	OBS	00050	20.71	36.42	25.67		1526.5							
	OBS	00075	19.92	36.55	25.98		1525.0							
	OBS	00085	19.22	36.59	26.20		1523.2							
	OBS	00100	18.60	36.56	26.33		1521.7							
	OBS	00125	18.16	36.55	26.44		1520.9							
	OBS	00150	17.76	36.52	26.51		1520.1							
	OBS	00200	17.40	36.47	26.56		1519.8							
	OBS	00250	17.14	36.44	26.60		1519.8							
	OBS	00300	17.02	36.44	26.63		1520.3							
	OBS	00400	16.56	36.34	26.66		1520.4							
	OBS	00500	14.98	36.03	26.79		1516.8							
	OBS	00600	12.93	35.68	26.95		1511.3							
	OBS	00700	10.67	35.38	27.15		1504.8							
	OBS	00800	08.31	35.12	27.34		1497.4							
	OBS	00840	08.03	35.21	27.45		1497.1							
	OBS	00900	07.41	35.21	27.55		1495.7							
	OBS	00930	07.17	35.22	27.59		1495.3							
	OBS	01000	05.79	35.04	27.63		1490.8							
	OBS	01050	05.42	35.04	27.68		1490.1							
	OBS	01062	05.76	35.14	27.71		1491.8							
	OBS	01100	05.51	35.11	27.72		1491.4							
	OBS	01120	05.47	35.10	27.72		1491.6							
	OBS	01200	04.76	35.02	27.74		1489.9							
	OBS	01300	04.41	35.01	27.77		1490.1							
	OBS	01400	04.37	35.01	27.78		1491.6							
	OBS	01500	04.21	35.00	27.79		1492.6							

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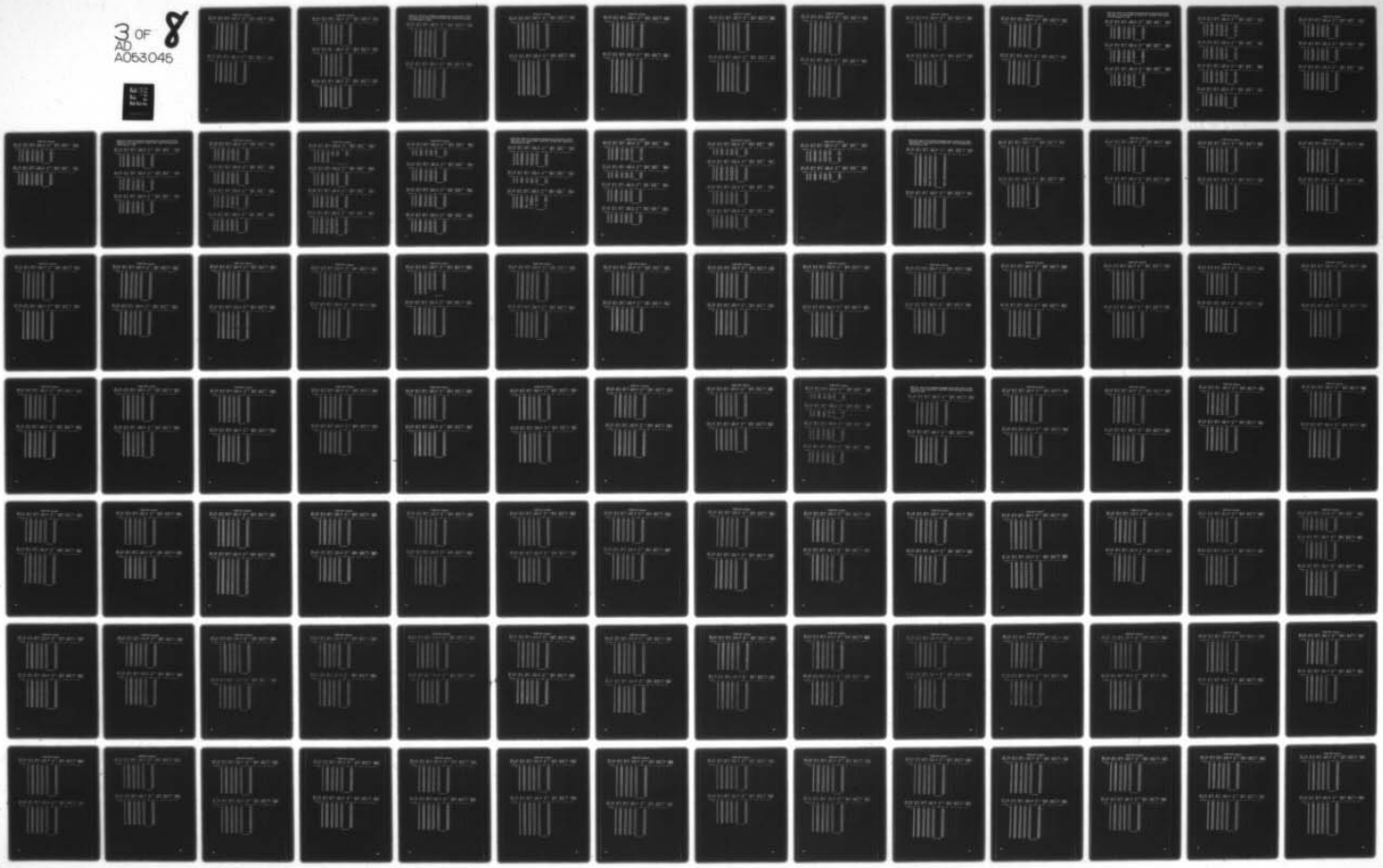


TABLE XIV.—Continued

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REFID  31  8137     YEAR 1969    BOTDP 04572    AIR TEMP   21.8    DIR HGT PER      WIND-DIR 16    INST STD RECORDER      TEN SQ 1206
CONSEC     0025     MONTH  12    SHIP AI        WET BULB   19.1     17  3   3       WIND-SPD 20    TRACE DIR         D    5 SQUARE   2
LAT    34 25  N     DAY    01    DATA USE  1    BAROMETR 1016.6    SEA              WIND-FOR       DURATION       00.3   4 SQUARE  48
LONG  049 55  W     HOUR 12.0    AREA      05   CLOUD T/A          CL/TR            WEATHER  X2    ORIG E34 025             1 SQUARE  49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	20.73	36.39	25.64		1525.7							
	OBS	00010	20.73	36.39	25.64		1525.9							
	OBS	00020	20.73	36.40	25.65		1526.1							
	OBS	00030	20.73	36.40	25.65		1526.2							
	OBS	00050	20.73	36.40	25.65		1526.6							
	OBS	00075	20.73	36.40	25.65		1527.0							
	OBS	00085	20.73	36.40	25.65		1527.1							
	OBS	00100	19.97	36.55	25.97		1525.5							
	OBS	00125	18.78	36.55	26.28		1522.6							
	OBS	00150	18.28	36.50	26.37		1521.6							
	OBS	00200	17.79	36.50	26.49		1521.0							
	OBS	00250	17.56	36.48	26.53		1521.1							
	OBS	00300	17.29	36.45	26.57		1521.1							
	OBS	00400	16.99	36.42	26.62		1521.8							
	OBS	00500	16.38	36.27	26.65		1521.4							
	OBS	00600	14.39	35.89	26.81		1516.4							
	OBS	00700	12.17	35.51	26.97		1510.2							
	OBS	00800	09.96	35.25	27.17		1503.7							
	OBS	00900	08.12	35.14	27.35		1496.4							
	OBS	01000	06.38	35.05	27.56		1493.2							
	OBS	01100	05.57	35.02	27.64		1491.5							
	OBS	01200	05.06	35.02	27.71		1491.1							
	OBS	01270	04.77	35.01	27.73		1491.1							
	OBS	01290	04.90	35.04	27.74		1492.0							
	OBS	01300	04.80	35.02	27.74		1491.7							
	OBS	01310	04.74	35.01	27.73		1491.6							
12.0	OBS	01325	04.95	35.06	27.75		1492.8							
	OBS	01335	04.76	35.03	27.75		1492.2							
00.3	OBS	01360	05.01	35.08	27.76		1493.7							
	OBS	01400	04.77	35.05	27.76		1493.3							
	OBS	01500	04.67	35.07	27.79		1494.6							

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REFID  31  8137     YEAR 1969    BOTDP 04755    AIR TEMP   21.8    DIR HGT PER      WIND-DIR 16    INST STD RECORDER      TEN SQ 1206
CONSEC     0026     MONTH  12    SHIP AI        WET BULB   18.4     23  2   3       WIND-SPD 15    TRACE DIR         D    5 SQUARE   4
LAT    35 02  N     DAY    02    DATA USE  1    BAROMETR 1015.2    SEA              WIND-FOR       DURATION       00.3   2 SQUARE  48
LONG  049 45  W     HOUR 11.9    AREA      05   CLOUD T/A          CL/TR            WEATHER  X2    ORIG E34 026             1 SQUARE  59
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	20.73	36.37	25.63		1525.7							
	OBS	00010	20.72	36.37	25.63		1525.8							
	OBS	00020	20.72	36.37	25.63		1526.0							
	OBS	00030	20.72	36.37	25.63		1526.2							
	OBS	00050	20.72	36.38	25.64		1526.5							
	OBS	00075	20.71	36.38	25.64		1526.9							
	OBS	00100	19.60	36.55	26.07		1524.5							
	OBS	00125	18.81	36.55	26.27		1522.7							
	OBS	00150	18.40	36.53	26.36		1521.9							
	OBS	00200	17.70	36.47	26.49		1520.7							
	OBS	00250	17.46	36.45	26.53		1520.8							
	OBS	00300	17.21	36.42	26.57		1520.8							
	OBS	00400	17.11	36.42	26.59		1522.2							
	OBS	00500	16.17	36.21	26.66		1520.7							
	OBS	00600	14.60	35.93	26.79		1517.1							
	OBS	00700	12.87	35.63	26.92		1512.7							
	OBS	00800	10.70	35.34	27.11		1506.5							
	OBS	00900	08.60	35.14	27.31		1500.2							
	OBS	01000	06.32	34.96	27.50		1492.8							
	OBS	01100	05.20	34.94	27.63		1489.9							
	OBS	01200	05.19	35.02	27.69		1491.7							
	OBS	01300	04.72	34.98	27.71		1491.4							
	OBS	01400	04.45	34.98	27.74		1491.9							
	OBS	01500	04.38	34.98	27.75		1493.3							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTDP 04938 AIR TEMP 21.4 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0027 MONTH 12 SHIP AI WET BULB 18.3 20 4 3 WIND-SPD 19 TRACE DIR 0 5 SQUARE 2
LAT 34 57 N DAY 02 DATA USE 1 BAROMETR 1013.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 049 45 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 027 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	20.64	36.40	25.68		1525.5							
	OBS	00010	20.64	36.40	25.68		1525.7							
	OBS	00020	20.64	36.41	25.68		1525.8							
	OBS	00030	20.64	36.41	25.68		1526.0							
	OBS	00050	20.64	36.41	25.68		1526.3							
	OBS	00075	20.64	36.41	25.68		1526.7							
	OBS	00100	19.24	36.55	26.16		1523.5							
	OBS	00125	18.63	36.56	26.33		1522.2							
	OBS	00150	18.13	36.52	26.42		1521.1							
	OBS	00200	17.63	36.48	26.51		1520.5							
	OBS	00250	17.32	36.46	26.57		1520.4							
	OBS	00300	17.18	36.43	26.59		1520.7							
	OBS	00400	17.03	36.44	26.63		1521.9							
	OBS	00500	16.53	36.32	26.66		1521.9							
	OBS	00600	14.70	35.96	26.80		1517.5							
	OBS	00700	13.14	35.70	26.92		1513.7							
	OBS	00800	11.01	35.40	27.10		1507.7							
	OBS	00900	08.33	35.12	27.34		1499.2							
	OBS	01000	06.41	35.03	27.54		1493.3							
	OBS	01100	05.27	34.97	27.64		1490.3							
	OBS	01200	04.89	35.02	27.73		1490.4							
	OBS	01300	04.76	35.03	27.75		1491.6							
	OBS	01400	04.50	35.02	27.77		1492.2							
	OBS	01500	04.30	35.02	27.79		1493.0							

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REFID 31 8137 YEAR 1969 BOTDP AIR TEMP 21.8 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0028 MONTH 12 SHIP AI WET BULB 18.5 20 3 4 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 15 N DAY 03 DATA USE 1 BAROMETR 1014.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 049 50 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 028 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	20.65	36.38	25.66		1525.5							
	OBS	00010	20.65	36.38	25.66		1525.7							
	OBS	00020	20.65	36.38	25.66		1525.8							
	OBS	00030	20.65	36.38	25.66		1526.0							
	OBS	00050	20.65	36.39	25.67		1526.3							
	OBS	00075	20.61	36.41	25.69		1526.7							
	OBS	00100	19.60	36.56	26.07		1524.5							
	OBS	00125	18.98	36.58	26.25		1523.2							
	OBS	00150	18.49	36.56	26.36		1522.2							
	OBS	00200	17.90	36.51	26.47		1521.3							
	OBS	00250	17.55	36.49	26.54		1521.1							
	OBS	00300	17.30	36.46	26.56		1521.1							
	OBS	00400	17.09	36.44	26.61		1522.1							
	OBS	00500	16.50	36.40	26.72		1522.0							
	OBS	00600	15.00	36.04	26.79		1518.5							
	OBS	00645	14.40	35.97	26.87		1517.3							
	OBS	00680	14.50	36.01	26.88		1518.2							
	OBS	00700	14.10	35.92	26.89		1517.1							
	OBS	00800	11.99	35.53	27.02		1511.2							
	OBS	00900	09.71	35.23	27.20		1504.4							
	OBS	01000	07.61	35.08	27.41		1498.0							
	OBS	01100	05.91	35.01	27.59		1492.9							
	OBS	01200	05.56	35.05	27.67		1493.2							
	OBS	01300	05.00	35.04	27.73		1492.6							
	OBS	01400	04.84	35.02	27.75		1492.8							
	OBS	01500	04.42	35.01	27.77		1493.5							

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REFID 31 8137 YEAR 1969 BOTDP 04846 AIR TEMP 21.8 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1207
CONSEC 0029 MONTH 12 SHIP AI WET BULB 18.6 21 3 4 WIND-SPD 09 TRACE DIR D 5 SQUARE 3
LAT 35 03 N DAY 03 DATA USE 1 BAROMETR 1013.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 40
LONG 050 00 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 029 1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	20.64	36.36	25.65		1525.5							
	OBS	00010	20.64	36.36	25.65		1525.6							
	OBS	00020	20.64	36.36	25.65		1525.8							
	OBS	00030	20.64	36.37	25.65		1526.0							
	OBS	00050	20.64	36.37	25.65		1526.3							
	OBS	00075	20.63	36.38	25.66		1526.7							
	OBS	00100	19.62	36.55	26.06		1524.6							
	OBS	00125	18.84	36.53	26.25		1522.8							
	OBS	00150	18.27	36.52	26.39		1521.5							
	OBS	00200	17.75	36.49	26.49		1520.8							
	OBS	00250	17.46	36.45	26.53		1520.8							
	OBS	00300	17.22	36.43	26.58		1520.8							
	OBS	00400	17.05	36.42	26.61		1522.0							
	OBS	00500	16.83	36.38	26.63		1522.9							
	OBS	00600	15.11	36.03	26.76		1518.9							
	OBS	00700	13.61	35.78	26.89		1515.4							
	OBS	00800	12.03	35.52	27.01		1511.4							
	OBS	00900	09.45	35.23	27.24		1503.5							
	OBS	01000	07.33	35.06	27.44		1496.9							
	OBS	01100	05.21	34.87	27.57		1489.9							
	OBS	01200	05.09	35.00	27.69		1491.2							
	OBS	01300	04.88	35.01	27.72		1492.1							
	OBS	01400	04.63	35.00	27.74		1492.7							
	OBS	01500	04.42	35.00	27.76		1493.5							

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TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 28 December 1969 - 19 January 1970, prepared from NODC listing No. 31 - 8150.

REFID 31 8150 YEAR 1969 BOTDP 05121 AIR TEMP 18.9 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0001 MONTH 12 SHIP EN WET BULB 17.6 13 2 2 WIND-SPD 26 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 28 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 35 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E36 001 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.3	OBS	00000	19.85	36.38	25.87		1523.3							
	OBS	00010	19.86	36.39	25.88		1523.5							
	OBS	00020	19.86	36.39	25.88		1523.7							
	OBS	00030	19.86	36.39	25.88		1523.9							
	OBS	00050	19.58	36.37	25.93		1523.4							
	OBS	00075	19.51	36.38	25.96		1523.6							
	OBS	00090	19.50	36.39	25.97		1523.9							
	OBS	00100	19.23	36.46	26.09		1523.4							
	OBS	00125	18.33	36.54	26.39		1521.3							
	OBS	00150	18.06	36.53	26.45		1521.0							
	OBS	00200	17.48	36.48	26.55		1520.0							
	OBS	00250	17.12	36.44	26.61		1519.7							
	OBS	00300	17.01	36.45	26.64		1520.3							
	OBS	00360	16.89	36.43	26.65		1520.9							
	OBS	00400	16.47	36.30	26.65		1520.1							
	OBS	00500	14.73	35.97	26.80		1515.9							
	OBS	00600	13.01	35.68	26.94		1511.6							
	OBS	00675	11.32	35.46	27.09		1506.8							
	OBS	00695	11.30	35.51	27.14		1507.1							
	OBS	00700	11.21	35.49	27.14		1506.8							
	OBS	00800	09.25	35.27	27.31		1501.1							
	OBS	00900	08.05	35.23	27.47		1498.2							
	OBS	00945	07.27	35.18	27.54		1495.9							
	OBS	00960	07.30	35.21	27.56		1496.3							
	OBS	01000	06.90	35.19	27.60		1495.4							
	OBS	01100	06.36	35.18	27.67		1494.9							
	OBS	01200	05.64	35.08	27.68		1493.6							
	OBS	01260	05.11	35.06	27.73		1492.4							
	OBS	01290	05.64	35.18	27.76		1495.2							
	OBS	01300	05.62	35.18	27.76		1495.3							
	OBS	01400	04.55	35.01	27.76		1492.4							
	OBS	01500	04.40	34.99	27.76		1493.4							

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REFID 31 8150 YEAR 1969 BOTDP 04023 AIR TEMP 20.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0002 MONTH 12 SHIP EN WET BULB 18.9 15 4 4 WIND-SPD 26 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 28 DATA USE 1 BAROMETR 1016.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 00 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E36 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	19.94	36.30	25.75		1523.5							
	OBS	00010	19.95	36.31	25.79		1523.7							
	OBS	00020	19.90	36.31	25.80		1523.7							
	OBS	00030	19.90	36.32	25.81		1523.9							
	OBS	00050	19.91	36.32	25.81		1524.3							
	OBS	00075	19.91	36.32	25.81		1524.7							
	OBS	00100	18.83	36.51	26.24		1522.3							
	OBS	00125	18.08	36.51	26.43		1520.6							
	OBS	00150	17.79	36.49	26.48		1520.1							
	OBS	00200	17.21	36.43	26.58		1519.2							
	OBS	00212	17.06	36.40	26.59		1518.9							
	OBS	00250	17.00	36.43	26.63		1519.4							
	OBS	00300	16.82	36.37	26.63		1519.6							
	OBS	00400	15.42	36.07	26.72		1516.6							
	OBS	00500	13.81	35.82	26.88		1512.8							
	OBS	00600	12.07	35.54	27.01		1508.2							
	OBS	00700	09.83	35.27	27.21		1501.6							
	OBS	00800	08.31	35.21	27.41		1497.5							
	OBS	00809	08.33	35.22	27.42		1497.8							
	OBS	00840	07.82	35.18	27.46		1496.3							
	OBS	00870	07.70	35.20	27.50		1496.4							
	OBS	00900	07.41	35.21	27.55		1495.7							
	OBS	00920	07.30	35.18	27.54		1495.6							
	OBS	00930	06.93	35.16	27.57		1494.3							
	OBS	00972	06.53	35.19	27.65		1493.5							
	OBS	01000	06.58	35.20	27.65		1494.2							
	OBS	01015	06.54	35.19	27.65		1494.2							
	OBS	01030	06.20	35.16	27.67		1493.1							
	OBS	01100	05.86	35.15	27.71		1492.9							
	OBS	01200	05.14	35.07	27.74		1491.5							
	OBS	01300	04.77	35.04	27.75		1491.7							
	OBS	01380	04.90	35.09	27.78		1493.6							
	OBS	01400	04.84	35.08	27.78		1493.7							
	OBS	01500	04.46	35.04	27.79		1493.7							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BOTDP 04755 AIR TEMP 20.6 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 01 SHIP EN WET BULB 17.2 26 5 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 50 N DAY 08 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 54 W HOUR 00.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E36 003 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.5	OBS	00000	18.99	36.41	26.12		1521.0							
	OBS	00010	19.00	36.42	26.12		1521.2							
	OBS	00020	19.00	36.43	26.13		1521.4							
	OBS	00030	19.01	36.43	26.13		1521.6							
	OBS	00050	19.02	36.43	26.13		1521.9							
	OBS	00075	19.02	36.43	26.13		1522.3							
	OBS	00100	19.02	36.44	26.13		1522.8							
	OBS	00105	19.02	36.44	26.13		1522.8							
	OBS	00125	17.59	36.45	26.50		1519.1							
	OBS	00150	17.25	36.43	26.57		1518.5							
	OBS	00200	17.02	36.43	26.62		1518.6							
	OBS	00250	16.78	36.38	26.64		1518.7							
	OBS	00300	16.20	36.26	26.69		1517.6							
	OBS	00400	14.87	36.02	26.80		1514.8							
	OBS	00500	13.43	35.79	26.93		1511.5							
	OBS	00600	11.60	35.49	27.06		1506.6							
	OBS	00700	09.29	35.25	27.29		1499.6							
	OBS	00800	07.54	35.14	27.47		1494.5							
	OBS	00865	06.64	35.08	27.55		1492.0							
	OBS	00900	06.80	35.21	27.63		1493.4							
	OBS	00940	06.21	35.15	27.66		1491.6							
	OBS	00975	06.39	35.21	27.69		1493.0							
	OBS	01000	05.91	35.14	27.70		1491.4							
	OBS	01020	05.72	35.12	27.70		1491.0							
	OBS	01100	05.55	35.14	27.74		1491.6							
	OBS	01155	05.35	35.13	27.76		1491.7							
	OBS	01200	04.87	35.06	27.76		1490.4							
	OBS	01300	04.52	35.03	27.76		1490.6							
	OBS	01400	04.26	35.00	27.76		1491.2							
	OBS	01500	04.10	34.99	27.75		1492.2							

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REFID 31 8150 YEAR 1970 BOTDP 04572 AIR TEMP 18.9 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 01 SHIP EN WET BULB 18.3 23 6 5 WIND-SPD 32 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 08 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 48 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E36 004 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	18.95	36.43	26.14		1520.9							
	OBS	00010	18.96	36.43	26.14		1521.1							
	OBS	00020	18.96	36.44	26.15		1521.3							
	OBS	00030	18.96	36.44	26.15		1521.4							
	OBS	00050	18.96	36.44	26.15		1521.8							
	OBS	00075	18.97	36.45	26.15		1522.2							
	OBS	00100	18.97	36.45	26.15		1522.6							
	OBS	00120	18.96	36.45	26.16		1522.9							
	OBS	00125	18.84	36.45	26.15		1522.7							
	OBS	00150	17.39	36.45	26.55		1518.9							
	OBS	00200	17.06	36.44	26.62		1518.7							
	OBS	00250	16.82	36.39	26.64		1518.8							
	OBS	00300	16.27	36.28	26.69		1517.8							
	OBS	00400	14.21	36.00	26.93		1512.7							
	OBS	00500	12.85	35.68	26.97		1509.4							
	OBS	00600	11.22	35.49	27.13		1505.2							
	OBS	00700	09.26	35.25	27.29		1499.5							
	OBS	00800	07.56	35.14	27.47		1494.6							
	OBS	00870	06.86	35.10	27.54		1493.0							
	OBS	00900	06.85	35.15	27.58		1493.5							
	OBS	01000	05.95	35.11	27.67		1491.5							
	OBS	01045	05.69	35.14	27.72		1491.3							
	OBS	01070	05.96	35.19	27.73		1492.8							
	OBS	01100	05.72	35.18	27.75		1492.4							
	OBS	01115	05.79	35.18	27.74		1492.9							
	OBS	01130	05.33	35.10	27.74		1491.2							
	OBS	01158	05.28	35.10	27.74		1491.4							
	OBS	01170	04.99	35.06	27.75		1490.4							
	OBS	01195	04.85	35.05	27.75		1490.2							
	OBS	01200	04.92	35.07	27.76		1490.6							
	OBS	01230	04.74	35.04	27.76		1490.4							
	OBS	01260	04.85	35.06	27.76		1491.3							
	OBS	01275	05.15	35.12	27.77		1492.9							
	OBS	01300	04.68	35.05	27.77		1491.3							
	OBS	01315	04.92	35.09	27.78		1492.6							
	OBS	01330	04.57	35.04	27.78		1491.3							
	OBS	01355	04.42	35.02	27.78		1491.1							
	OBS	01375	04.65	35.05	27.78		1492.4							
	OBS	01400	04.38	35.01	27.77		1491.7							
	OBS	01490	04.17	34.99	27.78		1492.3							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BOTDP 04572 AIR TEMP 19.4 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 01 SHIP EN WET BULB 18.5 23 5 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 12 N DAY 09 DATA USE 1 BAROMETR 1011.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 30 W HOUR 12.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E36 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	18.43	36.43	26.28		1519.4							
	OBS	00010	18.43	36.43	26.28		1519.6							
	OBS	00020	18.43	36.44	26.28		1519.8							
	OBS	00030	18.43	36.43	26.28		1519.9							
	OBS	00050	18.45	36.44	26.28		1520.3							
	OBS	00075	18.46	36.44	26.28		1520.8							
	OBS	00100	18.47	36.48	26.30		1521.3							
	OBS	00125	17.79	36.53	26.51		1519.8							
	OBS	00150	17.23	36.49	26.62		1518.5							
	OBS	00200	17.02	36.48	26.66		1518.7							
	OBS	00250	16.82	36.43	26.67		1518.8							
	OBS	00300	16.30	36.33	26.72		1518.0							
	OBS	00400	14.45	35.96	26.85		1513.4							
	OBS	00500	13.14	35.72	26.94		1510.4							
	OBS	00600	11.00	35.39	27.10		1504.3							
	OBS	00700	09.98	35.30	27.21		1502.2							
	OBS	00790	07.83	35.20	27.48		1495.5							
	OBS	00800	07.90	35.24	27.50		1496.0							
	OBS	00880	06.71	35.15	27.60		1492.6							
	OBS	00900	06.86	35.24	27.65		1493.6							
	OBS	01000	05.98	35.15	27.69		1491.7							
	OBS	01100	05.71	35.15	27.73		1492.3							
	OBS	01130	05.89	35.19	27.74		1493.6							
	OBS	01200	05.37	35.12	27.75		1492.5							
	OBS	01240	05.32	35.12	27.75		1493.0							
	OBS	01270	05.45	35.16	27.77		1494.1							
	OBS	01300	05.44	35.16	27.77		1494.[illegible]							
	OBS	01400	05.09	35.13	27.79		1494.8							
	OBS	01500	04.81	35.10	27.80		1495.3							

REFID 31 8150 YEAR 1970 BOTDP 04480 AIR TEMP 20.0 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 01 SHIP EN WET BULB 19.4 25 5 3 WIND-SPD 30 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 09 DATA USE 1 BAROMETR 1008.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 35 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E36 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.0	OBS	00000	19.02	36.41	26.11		1521.1							
	OBS	00010	18.98	36.41	26.12		1521.1							
	OBS	00020	18.97	36.41	26.12		1521.3							
	OBS	00030	18.97	36.42	26.13		1521.4							
	OBS	00050	18.96	36.42	26.13		1521.7							
	OBS	00075	18.87	36.43	26.16		1521.9							
	OBS	00100	18.65	36.42	26.21		1521.7							
	OBS	00125	17.42	36.44	26.53		1518.6							
	OBS	00150	17.15	36.42	26.58		1518.2							
	OBS	00175	16.98	36.42	26.63		1518.1							
	OBS	00200	16.90	36.42	26.64		1518.2							
	OBS	00250	16.47	36.29	26.65		1517.6							
	OBS	00300	15.84	36.20	26.72		1516.4							
	OBS	00400	14.39	35.93	26.84		1513.1							
	OBS	00500	12.71	35.64	26.96		1508.9							
	OBS	00600	10.84	35.34	27.09		1503.7							
	OBS	00700	08.91	35.21	27.32		1498.1							
	OBS	00740	08.24	35.19	27.41		1496.3							
	OBS	00752	08.25	35.21	27.42		1496.5							
	OBS	00800	07.59	35.15	27.47		1494.7							
	OBS	00820	07.21	35.16	27.54		1493.6							
	OBS	00850	07.43	35.22	27.55		1495.0							
	OBS	00880	07.23	35.23	27.59		1494.7							
	OBS	00900	06.87	35.18	27.60		1493.6							
	OBS	00960	06.04	35.13	27.67		1491.3							
	OBS	00985	06.02	35.15	27.69		1491.6							
	OBS	01000	05.87	35.13	27.69		1491.2							
	OBS	01100	05.22	35.06	27.72		1490.2							
	OBS	01125	05.25	35.06	27.71		1490.7							
	OBS	01140	05.12	35.06	27.73		1490.4							
	OBS	01190	05.16	35.07	27.73		1491.4							
	OBS	01200	04.95	35.02	27.72		1490.7							
	OBS	01220	04.76	35.02	27.74		1490.2							
	OBS	01285	04.62	35.01	27.75		1490.7							
	OBS	01300	04.68	35.06	27.78		1491.3							
	OBS	01320	04.88	35.09	27.78		1492.5							
	OBS	01400	04.77	35.08	27.79		1493.4							
	OBS	01440	04.64	35.07	27.79		1493.5							
	OBS	01500	04.64	35.07	27.79		1494.5							

TABLE XV.—Continued

REFID 31 8150	YEAR 1970	BOTDP 04938	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 01	SHIP EN	WET BULB 19.4	24 5 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 2
LAT 34 55 N	DAY 10	DATA USE 1	BAROMETR 1008.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 05 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E36 007	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.85	36.44	26.18		1520.6							
	OBS	00010	18.82	36.45	26.19		1520.7							
	OBS	00020	18.82	36.45	26.19		1520.9							
	OBS	00030	18.82	36.46	26.20		1521.1							
	OBS	00050	18.81	36.46	26.20		1521.4							
	OBS	00075	18.75	36.45	26.21		1521.6							
	OBS	00100	18.53	36.42	26.24		1521.4							
	OBS	00125	18.43	36.46	26.30		1521.5							
	OBS	00130	18.48	36.47	26.29		1521.8							
	OBS	00150	17.74	36.51	26.51		1520.0							
	OBS	00200	17.17	36.43	26.55		1519.1							
	OBS	00250	16.92	36.41	26.63		1519.1							
	OBS	00300	16.75	36.35	26.63		1519.4							
	OBS	00400	15.22	36.04	26.74		1515.9							
	OBS	00500	13.79	35.84	26.90		1512.7							
	OBS	00600	11.51	35.49	27.08		1506.2							
	OBS	00700	09.49	35.30	27.29		1500.4							
	OBS	00720	09.51	35.31	27.30		1500.8							
	OBS	00800	07.83	35.17	27.45		1495.7							
	OBS	00820	07.85	35.20	27.47		1496.1							
	OBS	00830	07.62	35.18	27.49		1495.4							
	OBS	00855	07.66	35.22	27.52		1496.0							
	OBS	00900	07.17	35.20	27.57		1494.8							
	OBS	01000	06.07	35.09	27.64		1492.0							
	OBS	01070	05.39	35.04	27.68		1490.3							
	OBS	01100	05.68	35.14	27.72		1492.1							
	OBS	01120	05.88	35.17	27.72		1493.3							
	OBS	01168	05.83	35.19	27.75		1494.0							
	OBS	01200	05.61	35.17	27.76		1493.6							
	OBS	01300	05.17	35.12	27.77		1493.4							
	OBS	01400	04.93	35.09	27.78		1494.1							
	OBS	01459	04.34	35.00	27.77		1492.5							
	OBS	01490	04.44	35.03	27.78		1493.5							

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REFID 31 8150	YEAR 1970	BOTDP 03603	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 01	SHIP EN	WET BULB 18.8	25 5 3	WIND-SPD 22	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 10	DATA USE 1	BAROMETR 1008.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 08 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E36 008	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	18.84	36.42	26.16		1520.6							
	OBS	00010	18.84	36.43	26.17		1520.8							
	OBS	00020	18.84	36.43	26.17		1520.9							
	OBS	00030	18.84	36.43	26.17		1521.1							
	OBS	00050	18.82	36.44	26.18		1521.4							
	OBS	00075	18.76	36.44	26.20		1521.6							
	OBS	00100	18.52	36.39	26.22		1521.3							
	OBS	00125	18.24	36.46	26.35		1521.0							
	OBS	00150	17.44	36.47	26.55		1519.1							
	OBS	00175	17.18	36.45	26.60		1518.7							
	OBS	00200	17.10	36.44	26.61		1518.9							
	OBS	00250	16.97	36.43	26.64		1519.3							
	OBS	00300	16.71	36.39	26.67		1519.3							
	OBS	00400	15.40	36.09	26.74		1516.5							
	OBS	00500	13.50	35.81	26.94		1511.7							
	OBS	00600	11.41	35.49	27.10		1505.9							
	OBS	00700	09.39	35.31	27.32		1500.1							
	OBS	00775	08.16	35.21	27.43		1496.6							
	OBS	00800	08.20	35.24	27.45		1497.2							
	OBS	00820	07.91	35.23	27.49		1496.4							
	OBS	00838	07.90	35.24	27.50		1496.6							
	OBS	00850	07.52	35.20	27.52		1495.3							
	OBS	00900	07.29	35.24	27.59		1495.3							
	OBS	01000	05.73	35.11	27.69		1490.6							
	OBS	01070	05.39	35.10	27.73		1490.4							
	OBS	01090	05.45	35.12	27.74		1491.0							
	OBS	01100	05.29	35.11	27.75		1490.5							
	OBS	01140	05.20	35.10	27.75		1490.8							
	OBS	01200	04.70	35.05	27.77		1489.7							
	OBS	01300	04.80	35.11	27.81		1491.9							
	OBS	01308	04.82	35.13	27.82		1492.1							
	OBS	01350	04.30	35.05	27.82		1490.6							
	OBS	01400	04.17	35.02	27.81		1490.8							
	OBS	01500	04.07	35.01	27.81		1492.1							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BOTDP 04938 AIR TEMP 18.3 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206
CONSEC 0009 MONTH 01 SHIP EN WET BULB 17.2 26 6 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 10 DATA USE 1 BAROMETR 1010.0 SEA WIND-FDR DURATION 00.7 2 SQUARE 46
LONG 047 56 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E36 009 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.90	36.38	26.12		1520.7							
	OBS	00010	18.90	36.39	26.13		1520.9							
	OBS	00020	18.90	36.40	26.13		1521.1							
	OBS	00030	18.90	36.40	26.13		1521.2							
	OBS	00050	18.90	36.41	26.14		1521.6							
	OBS	00075	18.89	36.43	26.16		1522.0							
	OBS	00100	18.88	36.43	26.16		1522.4							
	OBS	00125	18.75	36.42	26.19		1522.4							
	OBS	00150	17.26	36.37	26.52		1518.4							
	OBS	00200	16.59	36.35	26.66		1517.2							
	OBS	00250	15.98	36.23	26.72		1516.0							
	OBS	00300	15.30	36.10	26.77		1514.6							
	OBS	00400	13.94	35.87	26.85		1511.6							
	OBS	00500	12.39	35.58	26.98		1507.7							
	OBS	00600	10.57	35.37	27.16		1502.8							
	OBS	00700	08.55	35.22	27.38		1496.8							
	OBS	00800	07.71	35.22	27.51		1495.3							
	OBS	00820	07.45	35.26	27.58		1494.6							
	OBS	00880	06.29	35.13	27.64		1490.9							
	OBS	00900	06.39	35.17	27.66		1491.7							
	OBS	00909	06.40	35.17	27.66		1491.9							
	OBS	00945	05.95	35.13	27.68		1490.6							
	OBS	00980	05.91	35.15	27.70		1491.1							
	OBS	01000	06.02	35.19	27.72		1491.9							
	OBS	01005	06.03	35.19	27.72		1492.0							
	OBS	01090	05.25	35.09	27.74		1490.2							
	OBS	01100	05.34	35.12	27.75		1490.7							
	OBS	01112	05.14	35.09	27.75		1490.1							
	OBS	01190	04.83	35.07	27.77		1490.1							
	OBS	01200	04.83	35.07	27.77		1490.3							
	OBS	01230	04.84	35.07	27.77		1490.8							
	OBS	01265	05.13	35.16	27.81		1492.7							
	OBS	01300	05.01	35.14	27.81		1492.8							
	OBS	01365	04.72	35.11	27.82		1492.6							
	OBS	01400	04.70	35.11	27.82		1493.1							
	OBS	01490	04.39	35.06	27.81		1493.3							

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REFID 31 8150 YEAR 1970 BOTDP 04892 AIR TEMP 17.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0010 MONTH 01 SHIP EN WET BULB 17.2 22 6 3 WIND-SPD 24 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 10 DATA USE 1 BAROMETR 1008.0 SEA WIND-FDR DURATION 00.5 2 SQUARE 46
LONG 047 30 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E36 010 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	18.97	36.37	26.09		1520.9							
	OBS	00010	18.97	36.37	26.09		1521.1							
	OBS	00020	18.97	36.37	26.09		1521.2							
	OBS	00030	18.97	36.38	26.10		1521.4							
	OBS	00050	18.97	36.38	26.10		1521.7							
	OBS	00075	18.93	36.38	26.11		1522.0							
	OBS	00100	18.77	36.38	26.15		1522.0							
	OBS	00125	17.27	36.40	26.54		1518.1							
	OBS	00150	16.92	36.39	26.62		1517.4							
	OBS	00200	16.57	36.35	26.67		1517.2							
	OBS	00250	16.12	36.24	26.69		1516.5							
	OBS	00300	15.42	36.09	26.74		1515.0							
	OBS	00400	13.63	35.81	26.91		1510.5							
	OBS	00500	12.23	35.60	27.03		1507.2							
	OBS	00600	10.20	35.32	27.19		1501.4							
	OBS	00700	08.42	35.20	27.35		1496.3							
	OBS	00730	08.08	35.20	27.44		1495.5							
	OBS	00745	08.08	35.22	27.45		1495.8							
	OBS	00775	07.42	35.19	27.53		1493.7							
	OBS	00795	07.42	35.19	27.53		1494.0							
	OBS	00800	07.64	35.27	27.56		1495.1							
	OBS	00815	07.62	35.26	27.55		1495.2							
	OBS	00840	07.03	35.18	27.58		1493.2							
	OBS	00860	06.88	35.17	27.60		1492.8							
	OBS	00875	06.82	35.17	27.60		1493.0							
	OBS	00900	06.34	35.12	27.62		1491.4							
	OBS	00940	06.10	35.12	27.66		1491.1							
	OBS	00960	06.14	35.14	27.67		1491.7							
	OBS	01000	05.76	35.10	27.68		1490.8							
	OBS	01100	05.18	35.08	27.74		1490.0							
	OBS	01140	05.11	35.08	27.75		1490.4							
	OBS	01165	05.11	35.10	27.76		1490.9							
	OBS	01200	05.29	35.15	27.78		1492.3							
	OBS	01225	05.37	35.16	27.78		1493.0							
	OBS	01300	05.05	35.13	27.79		1492.9							
	OBS	01400	04.77	35.11	27.81		1493.4							
	OBS	01500	04.51	35.07	27.81		1494.0							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BOTDP 04892 AIR TEMP 15.6 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 01 SHIP EN WET BULB 15.6 18 4 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 11 DATA USE 1 BAROMETR 1006.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E36 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	18.52	36.28	26.14		1519.5							
	OBS	00010	18.53	36.28	26.14		1519.7							
	OBS	00020	18.54	36.29	26.14		1519.9							
	OBS	00030	18.54	36.30	26.15		1520.1							
	OBS	00050	18.54	36.30	26.15		1520.4							
	OBS	00075	18.30	36.30	26.21		1520.1							
	OBS	00100	18.23	36.32	26.24		1520.4							
	OBS	00125	17.88	36.50	26.47		1520.0							
	OBS	00150	17.73	36.47	26.48		1519.9							
	OBS	00200	17.63	36.44	26.48		1520.4							
	OBS	00250	17.04	36.40	26.60		1519.5							
	OBS	00300	16.95	36.39	26.61		1520.0							
	OBS	00400	15.87	36.08	26.63		1518.0							
	OBS	00500	13.84	35.78	26.84		1512.8							
	OBS	00600	11.59	35.49	27.07		1506.5							
	OBS	00610	11.60	35.49	27.06		1506.7							
	OBS	00700	09.79	35.25	27.20		1501.4							
	OBS	00800	07.88	35.14	27.42		1495.8							
	OBS	00835	07.64	35.15	27.47		1495.5							
	OBS	00850	07.81	35.24	27.51		1496.5							
	OBS	00900	07.41	35.22	27.55		1495.8							
	OBS	00950	06.54	35.16	27.63		1493.1							
	OBS	01000	06.08	35.13	27.67		1492.1							
	OBS	01100	05.76	35.15	27.72		1492.5							
	OBS	01200	05.56	35.17	27.76		1493.4							
	OBS	01300	05.07	35.11	27.78		1493.0							
	OBS	01400	04.74	35.06	27.77		1493.2							
	OBS	01440	04.60	35.05	27.78		1493.3							
	OBS	01460	04.77	35.09	27.79		1494.4							
	OBS	01500	04.66	35.08	27.80		1494.6							

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REFID 31 8150 YEAR 1970 BOTDP 05029 AIR TEMP 16.7 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 01 SHIP EN WET BULB 13.3 28 4 5 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
LAT 34 52 N DAY 18 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 23 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E36 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.23	36.42	26.32		1518.9							
	OBS	00010	18.22	36.41	26.31		1519.0							
	OBS	00020	18.21	36.41	26.32		1519.1							
	OBS	00030	18.23	36.42	26.32		1519.3							
	OBS	00050	18.23	36.42	26.32		1519.7							
	OBS	00075	18.23	36.42	26.32		1520.1							
	OBS	00100	18.23	36.43	26.33		1520.5							
	OBS	00125	18.24	36.43	26.32		1520.9							
	OBS	00150	18.24	36.44	26.33		1521.4							
	OBS	00170	18.22	36.46	26.35		1521.7							
	OBS	00185	17.91	36.53	26.48		1521.1							
	OBS	00200	17.74	36.51	26.51		1520.8							
	OBS	00250	17.40	36.47	26.56		1520.6							
	OBS	00300	16.96	36.41	26.62		1520.1							
	OBS	00340	16.93	36.41	26.63		1520.6							
	OBS	00400	16.09	36.23	26.69		1518.9							
	OBS	00500	14.92	36.00	26.78		1516.6							
	OBS	00600	12.91	35.70	26.97		1511.3							
	OBS	00700	11.05	35.44	27.13		1506.2							
	OBS	00800	08.93	35.20	27.31		1499.9							
	OBS	00810	08.94	35.22	27.32		1500.1							
	OBS	00900	07.08	35.07	27.48		1494.3							
	OBS	01000	06.02	35.04	27.60		1491.7							
	OBS	01100	05.37	35.04	27.68		1490.8							
	OBS	01200	04.87	35.03	27.74		1490.4							
	OBS	01300	04.60	35.01	27.75		1490.9							
	OBS	01400	04.40	35.00	27.76		1491.7							
	OBS	01500	04.23	34.99	27.78		1492.7							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BOTDP 04203 AIR TEMP 18.9 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 01 SHIP EN WET BULB 15.6 29 4 2 WIND-SPD 22 TRACE DIR D 5 SQUARE 2
LAT 34 52 N DAY 18 DATA USE 1 BAROMETR 1014.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 48 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E36 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	18.25	36.40	26.30		1518.9							
	OBS	00010	18.25	36.40	26.30		1519.1							
	OBS	00020	18.25	36.40	26.30		1519.2							
	OBS	00030	18.24	36.40	26.30		1519.4							
	OBS	00050	18.24	36.41	26.31		1519.7							
	OBS	00075	18.24	36.41	26.31		1520.1							
	OBS	00100	18.24	36.41	26.31		1520.5							
	OBS	00125	18.24	36.42	26.32		1520.9							
	OBS	00150	18.24	36.42	26.32		1521.3							
	OBS	00175	18.21	36.49	26.38		1521.8							
	OBS	00185	18.13	36.50	26.41		1521.7							
	OBS	00200	17.67	36.46	26.49		1520.6							
	OBS	00250	17.11	36.41	26.59		1519.7							
	OBS	00300	16.94	36.41	26.63		1520.0							
	OBS	00400	15.57	36.21	26.70		1518.5							
	OBS	00500	14.48	35.94	26.83		1515.1							
	OBS	00600	12.61	35.64	26.98		1510.2							
	OBS	00700	10.82	35.42	27.15		1505.4							
	OBS	00800	08.53	35.16	27.34		1498.3							
	OBS	00900	06.80	35.08	27.53		1493.2							
	OBS	01000	05.72	35.02	27.62		1490.5							
	OBS	01100	05.33	35.05	27.70		1490.6							
	OBS	01200	04.87	35.03	27.74		1490.4							
	OBS	01300	04.62	35.02	27.76		1491.0							
	OBS	01400	04.40	35.00	27.76		1491.7							
	OBS	01410	04.31	34.99	27.77		1491.5							
	OBS	01500	04.16	34.98	27.77		1492.4							

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REFID 31 8150 YEAR 1970 BOTDP 03840 AIR TEMP 17.8 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 01 SHIP EN WET BULB 14.4 26 5 3 WIND-SPD 25 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1014.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 049 17 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E36 014 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.14	36.40	26.33		1518.6							
	OBS	00010	18.15	36.41	26.33		1518.8							
	OBS	00020	18.13	36.41	26.34		1518.9							
	OBS	00030	18.15	36.42	26.34		1519.1							
	OBS	00050	18.14	36.42	26.34		1519.4							
	OBS	00075	18.15	36.42	26.34		1519.9							
	OBS	00100	18.16	36.43	26.34		1520.3							
	OBS	00125	18.16	36.43	26.34		1520.7							
	OBS	00150	18.14	36.43	26.35		1521.1							
	OBS	00200	18.13	36.45	26.37		1521.9							
	OBS	00225	17.74	36.49	26.49		1521.2							
	OBS	00250	17.53	36.47	26.53		1521.0							
	OBS	00300	17.22	36.44	26.58		1520.9							
	OBS	00335	17.02	36.43	26.62		1520.8							
	OBS	00400	16.75	36.36	26.63		1521.0							
	OBS	00500	15.07	36.03	26.77		1517.1							
	OBS	00600	13.60	35.79	26.90		1513.7							
	OBS	00700	11.48	35.44	27.05		1507.7							
	OBS	00800	09.45	35.30	27.30		1501.9							
	OBS	00900	07.75	35.19	27.48		1497.0							
	OBS	01000	06.74	35.16	27.60		1494.7							
	OBS	01055	06.21	35.16	27.67		1493.5							
	OBS	01065	05.94	35.12	27.68		1492.6							
	OBS	01100	05.88	35.14	27.70		1493.0							
	OBS	01200	05.38	35.11	27.74		1492.6							
	OBS	01300	04.95	35.08	27.77		1492.4							
	OBS	01400	04.49	35.04	27.79		1492.2							
	OBS	01500	04.28	35.01	27.79		1492.9							

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TABLE XVI.–Observed and interpolated oceanographic data for stations taken by USCGC GALLATIN at Ocean Station ECHO, 20 January 1970 - 10 February 1970, prepared from NODC listing No. 31 - 1588.

REFID 31 1588	YEAR 1970	BOTDP 03519	AIR TEMP 15.7	DIR HGT PER	WIND-DIR 36	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 01	SHIP 3L	WET BULB 12.4	28 6 5	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 35 49 N	DAY 20	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 58 W	HOUR 12.0	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	ORIG E37 001	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.30	36.318	26.47		1516.0							
12.0	OBS	00028	17.24	36.320	26.49		1516.3							
12.0	OBS	00054	17.25	36.322	26.49		1516.8							
12.0	OBS	00082	17.27	36.332	26.49		1517.3							
12.0	OBS	00109	17.28	36.335	26.49		1517.8							
12.0	OBS	00163	17.24	36.332	26.50		1518.5							
12.0	OBS	00218	17.26	36.334	26.49		1519.5							
12.0	OBS	00327	16.44	36.281	26.65		1516.8							
12.0	OBS	T00435	13.82	35.844	26.89		1511.8							
12.0	OBS	00545	12.24	35.599	27.03		1508.0							
12.0	OBS	00653		35.365										
12.0	OBS	00872	06.19	35.007	27.55		1490.2							
12.0	OBS	T01090	05.52	35.119	27.73		1491.3							
12.0	OBS	T01640	04.10	35.024	27.82		1494.6							

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REFID 31 1588	YEAR 1970	BOTDP 03658	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 01	SHIP 3L	WET BULB 17.4	06 6 4	WIND-SPD 30	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 21	DATA USE 1	BAROMETR 1010.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 11.8	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X6	ORIG E37 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	17.63	36.418	26.47		1517.1							
11.8	OBS	00027	17.66	36.421	26.46		1517.7							
11.8	OBS	00054	17.67	36.430	26.47		1518.1							
11.8	OBS	00081	17.69	36.426	26.46		1518.6							
11.8	OBS	00108	17.68	36.424	26.46		1519.0							
11.8	OBS	00162	17.70	36.422	26.45		1520.0							
11.8	OBS	00217	17.70	36.423	26.45		1520.9							
11.8	OBS	00324	17.48	36.417	26.50		1522.0							
11.8	OBS	T00430	15.05	36.039	26.78		1515.9							
11.8	OBS	00537	13.08	35.615	26.87		1510.7							
11.8	OBS	00642		35.378										
11.8	OBS	00855	07.73	35.196	27.49		1496.2							
11.8	OBS	01067	05.40	35.036	27.68		1490.3							
11.8	OBS	T01608	04.14	35.022	27.81		1494.2							

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REFID 31 1586	YEAR 1970	BOTDP 04810	AIR TEMP 16.1	DIR HGT PER	WIND-DIR 19	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 01	SHIP 3L	WET BULB 12.6	27 3 4	WIND-SPD 07	TRACE DIR	5 SQUARE 2
LAT 34 44.5N	DAY 24	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 01.5W	HOUR 11.6	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X8	ORIG E37 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.52	36.394	26.47		1516.8							
11.6	OBS	00025	17.55	36.407	26.48		1517.3							
11.6	OBS	00051	17.54	36.392	26.47		1517.7							
11.6	OBS	00076	17.53	36.393	26.47		1518.0							
11.6	OBS	00101	17.56	36.397	26.47		1518.5							
11.6	OBS	00152	17.52	36.390	26.47		1519.3							
11.6	OBS	00203	17.52	36.392	26.47		1520.1							
11.6	OBS	00305	17.50	36.371	26.46		1521.7							
11.6	OBS	T00408	15.29	36.072	26.75		1516.3							
11.6	OBS	00510	14.12	35.881	26.86		1514.0							
11.6	OBS	00609		35.510										
11.6	OBS	00812	08.17	35.024	27.29		1497.0							
11.6	OBS	01015	06.00	35.127	27.67		1492.0							
11.6	OBS	T01518	04.22	35.127	27.89		1493.2							

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TABLE XVI.—Continued

REFID 31 1588 YEAR 1970 BOTDP 04755 AIR TEMP 14.2 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 01 SHIP 3L WET BULB 10.0 34 7 4 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 33 35 N DAY 30 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 26
LONG 046 54 W HOUR 11.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E37 004 1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	17.84	36.431	26.42		1517.7							
11.8	OBS	00025	17.89	36.432	26.41		1518.3							
11.8	OBS	00050	17.89	36.428	26.41		1518.7							
11.8	OBS	00075	17.86	36.430	26.42		1519.0							
11.8	OBS	00099	17.91	36.434	26.41		1519.6							
11.8	OBS	00148	17.88	36.432	26.42		1520.3							
11.8	OBS	00198	17.82	36.438	26.43		1520.9							
11.8	OBS	00296	17.37	36.440	26.55		1521.2							
11.8	OBS	T00390	15.98	36.197	26.69		1518.3							
11.8	OBS	00492	14.54	35.932	26.81		1515.1							
11.8	OBS	00586		35.597										
11.8	OBS	00782	08.64	35.208	27.36		1498.5							
11.8	OBS	T00979	06.45	35.137	27.62		1493.2							
11.8	OBS	T01476	04.86	35.170	27.85		1495.1							

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REFID 31 1588 YEAR 1970 BOTDP 04709 AIR TEMP 17.0 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 01 SHIP 3L WET BULB 13.2 36 5 3 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 31 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 11.5 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E37 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	16.95	36.314	26.55		1515.0							
11.5	OBS	00025	16.95	36.313	26.55		1515.4							
11.5	OBS	00051	16.96	36.312	26.55		1515.9							
11.5	OBS	00076	16.98	36.311	26.54		1516.3							
11.5	OBS	00100		36.314										
11.5	OBS	00150	16.99	36.310	26.54		1517.6							
11.5	OBS	00199	16.98	36.309	26.54		1518.3							
11.5	OBS	00299	16.98	36.309	26.54		1520.0							
11.5	OBS	T00403	14.59	35.980	26.83		1513.9							
11.5	OBS	00501	13.36	35.789	26.95		1511.3							
11.5	OBS	00600	11.47	35.473	27.08		1506.1							
11.5	OBS	00803	07.24	35.094	27.48		1493.3							
11.5	OBS	01005	05.60	35.076	27.68		1490.2							
11.5	OBS	T01510	04.04	35.008	27.81		1492.1							

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REFID 31 1588 YEAR 1970 BOTDP 04938 AIR TEMP 11.1 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 02 SHIP 3L WET BULB 06.7 36 3 4 WIND-SPD 19 TRACE DIR 5 SQUARE 4
LAT 36 10 N DAY 02 DATA USE 1 BAROMETR 1031.0 SEA WIND-FOR DURATION 2 SQUARE 68
LONG 049 38 W HOUR 11.5 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E37 006 1 SQUARE 69

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	17.47	36.456	26.53		1516.7							
11.5	OBS	00023	17.50	36.458	26.53		1517.2							
11.5	OBS	00047	17.51	36.452	26.52		1517.6							
11.5	OBS	00071	17.53	36.455	26.52		1518.0							
11.5	OBS	00094	17.52	36.452	26.52		1518.4							
11.5	OBS	00142	17.49	36.454	26.53		1519.1							
11.5	OBS	00189	17.52	36.452	26.52		1519.9							
11.5	OBS	00283		36.450										
11.5	OBS	T00374	17.05	36.399	26.59		1521.5							
11.5	OBS	00475	16.42	36.270	26.64		1521.1							
11.5	OBS	00568	14.86	35.795	26.63		1517.2							
11.5	OBS	00760	11.02	35.392	27.10		1507.0							
11.5	OBS	T00954	06.89	35.066	27.51		1494.4							
11.5	OBS	T01447	04.43	35.012	27.77		1492.7							

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REFID 31 1588 YEAR 1970 BOTDP 04023 AIR TEMP 15.1 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 02 SHIP 3L WET BULB 11.1 04 4 3 WIND-SPD 24 TRACE DIR 5 SQUARE 2
LAT 34 40 N DAY 03 DATA USE 1 BAROMETR 1031.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 27.5W HOUR 13.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E37 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	17.65	36.422	26.46		1517.2							
13.3	OBS	00025		36.422										
13.3	OBS	00050	17.69	36.420	26.45		1518.1							
13.3	OBS	00074	17.70	36.419	26.45		1518.5							
13.3	OBS	00098	17.69	36.421	26.45		1518.9							
13.3	OBS	00146	17.67	36.418	26.46		1519.6							
13.3	OBS	T00195	17.37	36.419	26.53		1519.6							
13.3	OBS	00287	16.96	36.388	26.61		1519.8							
13.3	OBS	00377	16.26	36.235	26.65		1519.0							
13.3	OBS	00466	14.83	35.989	26.79		1515.7							
13.3	OBS	00547	13.40	35.756	26.91		1512.1							
13.3	OBS	00706	09.39	35.259	27.28		1500.1							
13.3	OBS	T00855	07.12	35.093	27.50		1493.7							
13.3	OBS	T01216	04.78	35.047	27.76		1490.3							

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TABLE XVI.—Continued

REFID 31 1588 YEAR 1970 BOTDP 04572 AIR TEMP 17.6 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 02 SHIP 3L WET BULB 14.9 12 5 5 WIND-SPD 22 TRACE DIR 5 SQUARE 2
LAT 34 49 N DAY 06 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 12.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E37 008 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.57	36.445	26.50		1517.0							
12.1	OBS	00027	17.62	36.446	26.49		1517.6							
12.1	OBS	00053	17.60	36.441	26.49		1517.9							
12.1	OBS	00080	17.58	36.452	26.50		1518.3							
12.1	OBS	00106	17.61	36.450	26.50		1518.8							
12.1	OBS	00158	17.55	36.438	26.50		1519.5							
12.1	OBS	00211	17.57	36.442	26.50		1520.4							
12.1	OBS	00316	17.54	36.394	26.47		1522.0							
12.1	OBS	T00419	15.66	36.096	26.69		1517.7							
12.1	OBS	00524	13.25	35.705	26.91		1511.2							
12.1	OBS	T00626	11.16	35.435	27.10		1505.4							
12.1	OBS	00833	07.45	35.114	27.46		1494.7							
12.1	OBS	T01039	05.67	35.094	27.69		1491.0							
12.1	OBS	T01557	04.17	35.010	27.80		1493.4							

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REFID 31 1588 YEAR 1970 BOTDP 04572 AIR TEMP 17.0 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 02 SHIP 3L WET BULB 14.2 12 3 3 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 07 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 11.6 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E37 009 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.30	36.402	26.53		1516.1							
11.6	OBS	00024	17.33	36.402	26.53		1516.6							
11.6	OBS	00050	17.33	36.403	26.53		1517.0							
11.6	OBS	00075	17.31	36.401	26.53		1517.4							
11.6	OBS	00099	17.34	36.402	26.52		1517.9							
11.6	OBS	00149	17.31	36.401	26.53		1518.6							
11.6	OBS	00199	17.34	36.400	26.52		1519.5							
11.6	OBS	00298	17.01	36.384	26.59		1520.1							
11.6	OBS	00395	15.66	36.131	26.71		1517.3							
11.6	OBS	00495	14.02	35.872	26.87		1513.4							
11.6	OBS	00589	11.94	35.554	27.05		1507.6							
11.6	OBS	00783	07.73	35.108	27.42		1494.9							
11.6	OBS	T00976	06.09	35.104	27.64		1491.7							
11.6	OBS	T01456	04.21	35.022	27.80		1491.9							

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REFID 31 1588 YEAR 1970 BOTDP 04297 AIR TEMP 17.2 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 02 SHIP 3L WET BULB 15.8 15 4 3 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 08 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53 W HOUR 11.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E37 010 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.50	36.438	26.51		1516.8							
11.6	OBS	00024	17.56	36.435	26.50		1517.3							
11.6	OBS	00049	17.53	36.433	26.50		1517.6							
11.6	OBS	00073	17.54	36.434	26.50		1518.1							
11.6	OBS	00097	17.56	36.439	26.50		1518.5							
11.6	OBS	00146	17.54	36.434	26.50		1519.3							
11.6	OBS	T00195	17.57	36.433	26.49		1520.2							
11.6	OBS	00293	17.07	36.396	26.59		1520.2							
11.6	OBS	T00389	16.67	36.320	26.62		1520.5							
11.6	OBS	00489	15.23	36.037	26.74		1517.4							
11.6	OBS	00584	12.00	35.526	27.02		1507.7							
11.6	OBS	00778	08.75	35.205	27.34		1498.8							
11.6	OBS	00973	06.23	35.070	27.60		1492.1							
11.6	OBS	T01458	04.45	35.047	27.80		1493.0							
13.3	OBS	T01953	03.74	34.970	27.81		1498.3							
13.3	OBS	T02443	03.28	34.957	27.85		1504.7							
13.3	OBS	02944	02.84	34.933	27.87		1511.4							
13.3	OBS	03451	02.45	34.916	27.89		1518.5							
13.3	OBS	03958	02.26	34.896	27.89		1526.6							
13.3	OBS	04196	02.24	34.892	27.89		1530.7							
13.3	OBS	T04295	02.23	34.924	27.91		1532.5							

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TABLE XVI.—Continued

REFID 31 1588	YEAR 1970	BOTDP 04389	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 17	INST NANSEN CAST	TEN SQ 1206
CONSEC 0011	MONTH 02	SHIP 3L	WET BULB 17.6	17 4 3	WIND-SPD 24	TRACE DIR	5 SQUARE 4
LAT 35 07 N	DAY 09	DATA USE 1	BAROMETR 1020.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 12.1	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X6	ORIG E37 011	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.56	36.414	26.48		1516.9							
12.1	OBS	00021	17.62	36.412	26.46		1517.4							
12.1	OBS	00042	17.57	36.423	26.48		1517.6							
12.1	OBS	00064	17.56	36.427	26.49		1518.0							
12.1	OBS	00083	17.56	36.437	26.50		1518.3							
12.1	OBS	00126	17.55	36.437	26.50		1519.0							
12.1	OBS	00168	17.57	36.445	26.50		1519.7							
12.1	OBS	00255	17.38	36.421	26.53		1520.6							
12.1	OBS	T00341	16.94	36.368	26.60		1520.6							
12.1	OBS	00428	15.89	36.170	26.69		1518.6							
12.1	OBS	00514	13.59	35.764	26.88		1512.2							
12.1	OBS	00689	09.35	35.240	27.27		1499.6							
12.1	OBS	00865	06.87	35.250	27.65		1493.1							
12.1	OBS	T01306	04.75	35.085	27.79		1491.7							

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REFID 31 1588	YEAR 1970	BOTDP 05029	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 02	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 02	SHIP 3L	WET BULB 17.1	16 3 4	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 36 15 N	DAY 10	DATA USE 1	BAROMETR 1016.3	SEA	WIND-FOR	DURATION	2 SQUARE 68
LONG 048 15 W	HOUR 19.1	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E37 012	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.1	OBS	00000	17.74	36.422	26.44		1517.4							
19.1	OBS	00022	17.62	36.420	26.47		1517.5							
19.1	OBS	00044	17.56	36.422	26.49		1517.6							
19.1	OBS	00066	17.56	36.424	26.49		1518.0							
19.1	OBS	00087	17.60	36.438	26.49		1518.5							
19.1	OBS	00132	17.57	36.440	26.50		1519.1							
19.1	OBS	00177	17.44	36.428	26.52		1519.5							
19.1	OBS	00267	17.15	36.381	26.55		1520.0							
19.1	OBS	T00358	16.78	36.357	26.63		1520.4							
19.1	OBS	00450	15.13	36.040	26.76		1516.5							
19.1	OBS	T00540	13.85	35.840	26.89		1513.6							
19.1	OBS	00726	09.95	35.302	27.22		1502.5							
19.1	OBS	00912	07.19	35.122	27.51		1495.0							
19.1	OBS	T01380	04.43	35.005	27.77		1491.5							

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TABLE XVII.–Observed and interpolated oceanographic data for stations taken by USCGC MENDOTA at Ocean Station ECHO, 11 February 1970 - 6 March 1970, prepared from NODC listing No. 31 - 1605.

REFID 31 1605	YEAR 1970	BOTDP 04700	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 02	SHIP ME	WET BULB 17.8	07 2 0	WIND-SPD 05	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 12	DATA USE 1	BAROMETR 1015.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 56 W	HOUR 21.7	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X2	ORIG E38 001	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.7	OBS	00000	17.97	36.405	26.37		1518.1							
21.7	OBS	00025	17.74	36.416	26.44		1517.8							
21.7	OBS	00050	17.68	36.412	26.45		1518.1							
21.7	OBS	00075	17.69	36.417	26.45		1518.5							
21.7	OBS	00100	17.68	36.430	26.46		1518.9							
21.7	OBS	00151	17.65	36.434	26.47		1519.7							
21.7	OBS	T00201	17.45	36.416	26.51		1519.9							
21.7	OBS	00302	16.83	36.363	26.62		1519.6							
21.7	OBS	T00402	15.82	36.160	26.70		1518.0							
21.7	OBS	00503	14.12	35.871	26.85		1513.9							
21.7	OBS	T00604	12.53	35.615	26.98		1510.0							
21.7	OBS	00805	07.96	35.145	27.41		1496.2							
21.7	OBS	T01007	05.75	35.056	27.65		1490.8							
21.7	OBS	T01510	04.28	35.010	27.79		1493.1							

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REFID 31 1605	YEAR 1970	BOTDP 04770	AIR TEMP 17.7	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 02	SHIP ME	WET BULB 17.5	09 2 0	WIND-SPD 03	TRACE DIR	5 SQUARE 2
LAT 34 56 N	DAY 13	DATA USE 1	BAROMETR 1024.4	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 16.4	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X2	ORIG E38 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.4	OBS	00000	17.87	36.413	26.40		1517.8							
16.4	OBS	00025		36.410										
16.4	OBS	00049	17.69	36.417	26.45		1518.1							
16.4	OBS	00074	17.70	36.424	26.45		1518.5							
16.4	OBS	00098	17.68	36.421	26.46		1518.9							
16.4	OBS	00147	17.67	36.428	26.46		1519.7							
16.4	OBS	00196	17.55	36.429	26.49		1520.1							
16.4	OBS	00294	16.96	36.386	26.60		1519.9							
16.4	OBS	T00393	15.82	36.160	26.70		1517.8							
16.4	OBS	00491	14.32	35.899	26.83		1514.4							
16.4	OBS	T00595	12.60	35.629	26.98		1510.1							
16.4	OBS	00787	08.90	35.206	27.32		1499.5							
16.4	OBS	T00985	06.56	35.140	27.61		1493.7							
16.4	OBS	T01483	04.48	35.026	27.78		1493.5							

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REFID 31 1605	YEAR 1970	BOTDP 04050	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 02	SHIP ME	WET BULB 18.3	21 2 0	WIND-SPD 01	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 14	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 16.6	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X2	ORIG E38 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.6	OBS	00000	17.89	36.416	26.40		1517.9							
16.6	OBS	00025	17.76	36.420	26.44		1517.9							
16.6	OBS	00050	17.72	36.410	26.44		1518.2							
16.6	OBS	00075	17.72	36.418	26.44		1518.6							
16.6	OBS	00100	17.72	36.422	26.45		1519.0							
16.6	OBS	00151	17.73	36.431	26.45		1519.9							
16.6	OBS	T00201	17.74	36.430	26.45		1520.7							
16.6	OBS	00301	16.96	36.385	26.60		1520.0							
16.6	OBS	T00402	15.86	36.167	26.69		1518.1							
16.6	OBS	00503	14.24	35.885	26.84		1514.3							
16.6	OBS	T00603	12.56	35.618	26.98		1510.1							
16.6	OBS	00804	08.48	35.172	27.36		1498.2							
16.6	OBS	T01005	06.48	35.165	27.64		1493.8							
16.6	OBS	T01509	04.32	35.014	27.78		1493.3							

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TABLE XVII.—Continued

REFID 31 1605 YEAR 1970 BOTDP 03780 AIR TEMP 17.7 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 02 SHIP ME WET BULB 17.5 04 2 6 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 02.5N DAY 15 DATA USE 1 BAROMETR 1029.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 16.2 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E38 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.2	OBS	00000	18.07	36.431	26.37		1518.4							
16.2	OBS	00025	17.80	36.410	26.42		1518.0							
16.2	OBS	00051	17.72	36.418	26.44		1518.2							
16.2	OBS	00076	17.72	36.429	26.45		1518.6							
16.2	OBS	00102	17.72	36.425	26.45		1519.1							
16.2	OBS	00151	17.74	36.429	26.45		1519.9							
16.2	OBS	T00202	17.55	36.427	26.49		1520.2							
16.2	OBS	00305	16.89	36.381	26.62		1519.9							
16.2	OBS	T00403	15.68	36.144	26.72		1517.5							
16.2	OBS	00504	13.72	35.794	26.88		1512.5							
16.2	OBS	T00604	12.24	35.575	27.01		1508.9							
16.2	OBS	00806	08.10	35.170	27.41		1496.8							
16.2	OBS	T01008	06.03	35.105	27.65		1492.0							
16.2	OBS	T01519	04.35	35.025	27.79		1493.6							

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REFID 31 1605 YEAR 1970 BOTDP 04320 AIR TEMP 17.9 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 02 SHIP ME WET BULB 17.9 06 3 5 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 16 DATA USE 1 BAROMETR 1030.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 15.7 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E38 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.7	OBS	00000	18.32	36.468	26.33		1519.2							
15.7	OBS	00024	18.19	36.469	26.37		1519.2							
15.7	OBS	00049	17.88	36.428	26.41		1518.7							
15.7	OBS	00074	17.77	36.416	26.43		1518.7							
15.7	OBS	00099	17.69	36.420	26.45		1518.9							
15.7	OBS	00147	17.68	36.429	26.46		1519.7							
15.7	OBS	T00197	17.26	36.415	26.55		1519.3							
15.7	OBS	00296	16.80	36.356	26.62		1519.4							
15.7	OBS	T00395	15.56	36.122	26.73		1517.0							
15.7	OBS	00495	13.70	35.789	26.88		1512.3							
15.7	OBS	T00595	12.35	35.596	27.00		1509.2							
15.7	OBS	00795	08.20	35.144	27.38		1497.0							
15.7	OBS	T00995	06.09	35.110	27.65		1492.0							
15.7	OBS	T01499	04.28	35.012	27.79		1492.9							

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REFID 31 1605 YEAR 1970 BOTDP 04275 AIR TEMP 18.3 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 02 SHIP ME WET BULB 18.3 12 2 7 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 17 DATA USE 1 BAROMETR 1027.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 16.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E38 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.1	OBS	00000	18.02	36.434	26.38		1518.3							
16.1	OBS	00025	17.87	36.426	26.41		1518.2							
16.1	OBS	00051	17.78	36.429	26.44		1518.4							
16.1	OBS	00077	17.69	36.425	26.46		1518.6							
16.1	OBS	00103	17.65	36.424	26.47		1518.9							
16.1	OBS	00153	17.25	36.393	26.54		1518.5							
16.1	OBS	T00206	17.01	36.357	26.57		1518.6							
16.1	OBS	00308	16.82	36.370	26.63		1519.7							
16.1	OBS	00410	15.59	36.146	26.74		1517.4							
16.1	OBS	00513	13.39	35.747	26.91		1511.5							
16.1	OBS	T00610	11.72	35.542	27.08		1507.2							
16.1	OBS	00819	07.94											
16.1	OBS	T01025	06.04	35.152	27.65		1492.4							
16.1	OBS	T01537	04.17	35.011	27.80		1493.1							

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REFID 31 1605 YEAR 1970 BOTDP 04410 AIR TEMP 17.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 02 SHIP ME WET BULB 17.7 12 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 18 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 16.0 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E38 007 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.0	OBS	00000	18.08	36.463	26.39		1518.5							
16.0	OBS	00026	17.56	36.427	26.49		1517.4							
16.0	OBS	00051	17.48	36.425	26.51		1517.5							
16.0	OBS	00077	17.34	36.405	26.53		1517.5							
16.0	OBS	00101	17.26	36.390	26.54		1517.7							
16.0	OBS	00154	17.16	36.398	26.57		1518.2							
16.0	OBS	T00205	16.95	36.353	26.58		1518.4							
16.0	OBS	00308	16.47	36.295	26.65		1518.6							
16.0	OBS	T00410	15.54	36.122	26.73		1517.2							
16.0	OBS	00515	13.59	35.792	26.90		1512.3							
16.0	OBS	T00619	11.73	35.509	27.05		1507.3							
16.0	OBS	00830	07.32	35.134	27.50		1494.1							
16.0	OBS	T01044	06.01	35.136	27.68		1492.5							
16.0	OBS	T01588	04.09	35.008	27.80		1493.6							

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TABLE XVII.—Continued

REFID 31 1605 YEAR 1970 BOTDP 04140 AIR TEMP 18.8 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 02 SHIP ME WET BULB 18.7 17 4 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 19 DATA USE 1 BAROMETR 1006.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 16.2 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X5 ORIG E38 008 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.2	OBS	00000	17.79	36.425	26.43		1517.6							
16.2	OBS	00018	17.76	36.441	26.45		1517.8							
16.2	OBS	00036	17.70	36.435	26.46		1517.9							
16.2	OBS	00054	17.63	36.440	26.48		1518.0							
16.2	OBS	00072	17.32	36.427	26.55		1517.4							
16.2	OBS	00108	17.19	36.394	26.56		1517.6							
16.2	OBS	T00145	17.14											
16.2	OBS	00213	17.01											
16.2	OBS	T00283	16.84											
16.2	OBS	00354	16.04											
16.2	OBS	T00427	14.79											
16.2	OBS	00580	12.39											
16.2	OBS	00739	09.45											
16.2	OBS	T01178	05.29	35.095	27.74		1491.8							

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REFID 31 1605 YEAR 1970 BOTDP 04680 AIR TEMP 19.5 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 02 SHIP ME WET BULB 19.4 25 3 5 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 21 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 15.7 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X2 ORIG E38 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.7	OBS	00000	17.90	36.408	26.39		1517.9							
15.7	OBS	00022	17.87	36.396	26.39		1518.2							
15.7	OBS	00043	17.79	36.393	26.41		1518.3							
15.7	OBS	00064	17.78	36.396	26.41		1518.6							
15.7	OBS	00085	17.62	36.403	26.46		1518.5							
15.7	OBS	00126	17.41	36.387	26.50		1518.5							
15.7	OBS	T00167	17.16	36.386	26.56		1518.4							
15.7	OBS	00250	16.99	36.351	26.57		1519.3							
15.7	OBS	T00329	16.36	36.236	26.63		1518.5							
15.7	OBS	00408	15.38	36.089	26.74		1516.6							
15.7	OBS	T00486	14.42	35.895	26.81		1514.6							
15.7	OBS	00646	11.30	35.434	27.08		1506.2							
15.7	OBS	00811	08.71	35.171	27.32		1499.2							
15.7	OBS	T01229	05.10	35.068	27.74		1491.9							

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REFID 31 1605 YEAR 1970 BOTDP 04320 AIR TEMP 18.0 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 02 SHIP ME WET BULB 17.8 25 2 6 WIND-SPD 03 TRACE DIR 5 SQUARE 2
LAT 34 59.9N DAY 22 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 15.9 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E38 010 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.9	OBS	00000	17.76	36.419	26.44		1517.5							
15.9	OBS	00023	17.56	36.415	26.48		1517.3							
15.9	OBS	00046	17.51	36.422	26.50		1517.5							
15.9	OBS	00069	17.49	36.422	26.50		1517.8							
15.9	OBS	00093	17.34	36.413	26.53		1517.8							
15.9	OBS	00137	17.16	36.381	26.55		1517.9							
15.9	OBS	T00184	17.01	36.382	26.59		1518.3							
15.9	OBS	00275	16.60	36.281	26.61		1518.4							
15.9	OBS	T00367	15.95	36.200	26.70		1517.8							
15.9	OBS	00458	14.50	35.928	26.81		1514.5							
15.9	OBS	T00549	13.12	35.694	26.92		1511.1							
15.9	OBS	00730	09.54	35.265	27.26		1501.0							
15.9	OBS	T00914	06.58	35.120	27.59		1492.6							
15.9	OBS	T01396	04.65	35.058	27.78		1492.8							

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REFID 31 1605 YEAR 1970 BOTDP 04590 AIR TEMP 15.0 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 02 SHIP ME WET BULB 14.8 35 2 5 WIND-SPD 02 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 23 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 15.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E38 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.8	OBS	00000	17.48	36.406	26.49		1516.7							
15.8	OBS	00025	17.41	36.405	26.51		1516.9							
15.8	OBS	00049	17.36	36.402	26.52		1517.1							
15.8	OBS	00074	17.35	36.401	26.52		1517.5							
15.8	OBS	00098	17.36	36.402	26.52		1517.9							
15.8	OBS	00148	17.15	36.385	26.56		1518.1							
15.8	OBS	T00197	17.03	36.371	26.58		1518.5							
15.8	OBS	00293	16.71	36.334	26.62		1519.1							
15.8	OBS	T00389	15.98	36.193	26.69		1518.3							
15.8	OBS	00484	14.42	35.930	26.83		1514.6							
15.8	OBS	00578		35.660										
15.8	OBS	00771	08.42	35.174	27.37		1497.4							
15.8	OBS	T00965	06.31	35.115	27.62		1492.4							
15.8	OBS	T01472	04.44	35.034	27.79		1493.2							
18.7	OBS	T01969	03.73	34.992	27.83		1498.5							
18.7	OBS	T02472	03.31	34.972	27.85		1505.3							
18.7	OBS	T02981	02.85	34.952	27.88		1512.1							
18.7	OBS	03483	02.45	34.931	27.90		1519.1							

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TABLE XVII.—Continued

REFID 31 1605 YEAR 1970 BOTDP 04860 AIR TEMP 17.8 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 02 SHIP ME WET BULB 15.9 17 3 5 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 24 DATA USE 1 BAROMETR 1015.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 52 W HOUR 16.9 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X2 ORIG E38 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.9	OBS	00000	17.64	36.407	26.46		1517.1							
16.9	OBS	00022	17.59	36.404	26.47		1517.3							
16.9	OBS	00042	17.54	36.411	26.48		1517.5							
16.9	OBS	00063	17.53	36.411	26.49		1517.8							
16.9	OBS	00085	17.50	36.414	26.50		1518.1							
16.9	OBS	00128	17.29	36.403	26.54		1518.2							
16.9	OBS	T00172	17.14	36.390	26.56		1518.5							

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REFID 31 1605 YEAR 1970 BOTDP 04140 AIR TEMP 16.3 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 02 SHIP ME WET BULB 16.3 27 5 7 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 25 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 16 W HOUR 16.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E38 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.8	OBS	00000	17.64	36.417	26.46		1517.1							
16.8	OBS	00023	17.42	36.414	26.51		1516.9							
16.8	OBS	00047	17.42	36.415	26.52		1517.3							
16.8	OBS	00070	17.44	36.420	26.51		1517.7							
16.8	OBS	00093	17.42	36.434	26.53		1518.0							
16.8	OBS	00139	17.26	36.414	26.55		1518.3							
16.8	OBS	00185	17.09	36.397	26.58		1518.5							
16.8	OBS	00277	16.83	36.348	26.61		1519.2							
16.8	OBS	T00366	16.40	36.288	26.66		1519.3							
16.8	OBS	00458	14.76	35.982	26.80		1515.4							
16.8	OBS	T00549	12.83	35.668	26.96		1510.1							
16.8	OBS	00733	09.71	35.295	27.25		1501.8							
16.8	OBS	00917	06.82	35.110	27.55		1493.0							
16.8	OBS	T01377	04.70	35.073	27.79		1492.7							

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REFID 31 1605 YEAR 1970 BOTDP 04500 AIR TEMP 17.4 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 02 SHIP ME WET BULB 17.4 05 2 X WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 26 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57.5W HOUR 15.7 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E38 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.7	OBS	00000	17.57	36.437	26.50		1517.0							
15.7	OBS	00025	17.50	36.440	26.51		1517.2							
15.7	OBS	00050	17.50	36.442	26.52		1517.6							
15.7	OBS	00075	17.36	36.419	26.53		1517.6							
15.7	OBS	00099	17.30	36.416	26.55		1517.8							
15.7	OBS	00141	17.16	36.400	26.57		1518.0							
15.7	OBS	T00199	17.09	36.374	26.56		1518.7							
15.7	OBS	00297	16.66	36.342	26.64		1519.0							
15.7	OBS	T00395	15.64	36.146	26.73		1517.3							
15.7	OBS	00494	13.67	35.820	26.91		1512.2							
15.7	OBS	T00591	11.69	35.511	27.06		1506.7							
15.7	OBS	00788	08.15	35.178	27.41		1496.7							
15.7	OBS	00983	06.76	35.172	27.61		1494.5							
15.7	OBS	T01474	04.33	35.037	27.80		1492.7							

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REFID 31 1605 YEAR 1970 BOTDP 01710 AIR TEMP 18.3 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 02 SHIP ME WET BULB 17.8 08 3 6 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 27 DATA USE 1 BAROMETR 1011.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 16.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E38 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.1	OBS	00000	17.65	36.437	26.48		1517.2							
16.1	OBS	00024	17.52	36.435	26.51		1517.2							
16.1	OBS	00047	17.48	36.437	26.52		1517.5							
16.1	OBS	00071	17.49	36.441	26.52		1517.9							
16.1	OBS	00094	17.43	36.440	26.53		1518.1							
16.1	OBS	00142	17.28	36.425	26.56		1518.4							
16.1	OBS	T00187	17.22	36.411	26.56		1519.0							
16.1	OBS	00279	16.88	36.392	26.63		1519.4							
16.1	OBS	T00370	15.68	36.161	26.73		1517.0							
16.1	OBS	00461	14.52	35.978	26.85		1514.6							
16.1	OBS	T00550	13.03	35.715	26.96		1510.9							
16.1	OBS	00732	09.23	35.295	27.33		1500.0							
16.1	OBS	T00915	06.93	35.188	27.60		1494.1							
16.1	OBS	T01413	04.65	35.062	27.79		1493.1							

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TABLE XVIII.–Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 7 March 1970 - 24 March 1970 , prepared from NODC listing No. 31 - 1602.

REFID 31 1602	YEAR 1970	BOTDP 03292	AIR TEMP 17.2	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 03	SHIP EN	WET BULB 15.6	31 2 3	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 07 N	DAY 07	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 13.9	AREA 05	CLOUD T/A 6/7	CL/TR	WEATHER X1	ORIG E39 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	16.98	36.393	26.60		1515.2							
12.9	OBS	00024	17.01	36.392	26.60		1515.7							
12.9	OBS	00046	17.00	36.390	26.60		1516.0							
12.9	OBS	00068	17.04	36.390	26.59		1516.5							
12.9	OBS	00091	17.03	36.392	26.59		1516.8							
12.9	OBS	00146	17.04	36.387	26.59		1517.7							
12.9	OBS	T00180	16.99	36.386	26.60		1518.1							
12.9	OBS	00269	16.95	36.386	26.61		1519.5							
12.9	OBS	T00359	16.60	36.284	26.61		1519.8							
12.9	OBS	00453	16.40	36.219	26.61		1520.7							
12.9	OBS	T00547	14.73	35.919	26.76		1516.6							
12.9	OBS	00745	09.53	35.200	27.21		1501.2							
12.9	OBS	00958	06.77	35.199	27.63		1494.2							
12.9	OBS	T01549	04.23	35.005	27.79		1493.6							

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REFID 31 1602	YEAR 1970	BOTDP 05121	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 03	SHIP EN	WET BULB 12.2	31 2 4	WIND-SPD 15	TRACE DIR	5 SQUARE 2
LAT 34 46 N	DAY 09	DATA USE 1	BAROMETR 1011.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 13.5	AREA 05	CLOUD T/A 3/1	CL/TR	WEATHER X1	ORIG E39 002	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	17.05	36.391	26.59		1515.4							
13.5	OBS	00029	17.04	36.391	26.59		1515.8							
13.5	OBS	00056	17.00	36.391	26.60		1516.1							
13.5	OBS	00085	17.05	36.390	26.59		1516.8							
13.5	OBS	00113	17.03	36.389	26.59		1517.2							
13.5	OBS	00170	17.05	36.391	26.59		1518.2							

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REFID 31 1602	YEAR 1970	BOTDP 04938	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 26	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 03	SHIP EN	WET BULB 16.1	27 2 3	WIND-SPD 14	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 12	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 56 W	HOUR 14.2	AREA 05	CLOUD T/A 3/2	CL/TR	WEATHER X1	ORIG E39 003	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.2	OBS	00000	17.09	36.391	26.58		1515.5							
14.2	OBS	00025	17.06	36.394	26.59		1515.8							
14.2	OBS	00048	17.05	36.401	26.59		1516.2							
14.2	OBS	00072	17.06	36.393	26.59		1516.6							
14.2	OBS	00095	17.07	36.393	26.58		1517.0							
14.2	OBS	00144	17.09	36.393	26.56		1517.9							
14.2	OBS	00191	17.05	36.396	26.59		1518.5							
14.2	OBS	00286		36.395										
14.2	OBS	00382		36.394										
14.2	OBS	00480	14.17	35.841	26.82		1513.6							
14.2	OBS	T00578	12.52	35.573	26.95		1509.5							
14.2	OBS	00778	08.27											
14.2	OBS	T00981	06.27											
14.2	OBS	T01503	04.26	34.988	27.77		1492.9							

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TABLE XVIII.—Continued

REFID 31 1602 YEAR 1970 BOTDP 05121 AIR TEMP 17.8 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 03 SHIP EN WET BULB 15.6 30 1 4 WIND-SPD 04 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 13 DATA USE 1 BAROMETR 1020.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 21.4 AREA 05 CLOUD T/A 3/1 CL/TR WEATHER X1 ORIG E39 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.4	OBS	00000	17.46	36.403	26.50		1516.6							
21.4	OBS	00024	17.29	36.401	26.54		1516.5							
21.4	OBS	00049	17.20	36.397	26.55		1516.6							
21.4	OBS	00073	17.14	36.387	26.56		1516.8							
21.4	OBS	00098	17.08	36.386	26.58		1517.1							
21.4	OBS	00147	17.00	36.371	26.58		1517.6							
21.4	OBS	00197		36.360										
21.4	OBS	00295	16.33	36.254	26.65		1517.9							
21.4	OBS	00391	15.21	36.052	26.75		1515.8							
21.4	OBS	00486		35.768										
21.4	OBS	T00581	12.02	35.544	27.03		1507.8							
21.4	OBS	00769	08.30	35.152	27.37		1496.9							
21.4	OBS	T00957	06.36	35.121	27.62		1492.5							
21.4	OBS	T01439	04.44	35.031	27.78		1492.6							

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REFID 31 1602 YEAR 1970 BOTDP 04663 AIR TEMP 17.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 03 SHIP EN WET BULB 15.0 25 1 5 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 14 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 19 W HOUR 14.8 AREA 05 CLOUD T/A 2/1 CL/TR WEATHER X4 ORIG E39 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.8	OBS	00000	17.06	36.391	26.58		1515.4							
14.8	OBS	00024	16.92	36.387	26.61		1515.4							
14.8	OBS	00049	16.89	36.385	26.62		1515.7							
14.8	OBS	00073	16.90	36.387	26.62		1516.1							
14.8	OBS	00098	16.90	36.386	26.62		1516.5							
14.8	OBS	00147	16.88	36.386	26.62		1517.3							
14.8	OBS	00196	16.92	36.381	26.61		1518.2							

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REFID 31 1602 YEAR 1970 BOTDP 02651 AIR TEMP 18.3 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 03 SHIP EN WET BULB 16.7 27 2 3 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 15 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 15.0 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER X2 ORIG E39 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.0	OBS	00000	17.14	36.395	26.57		1515.7							
15.0	OBS	00025	17.09	36.392	26.58		1515.9							
15.0	OBS	00050	17.06	36.394	26.59		1516.2							
15.0	OBS	00075	17.05	36.390	26.59		1516.6							
15.0	OBS	00100	17.07	36.394	26.58		1517.1							
15.0	OBS	00152	17.05	36.393	26.59		1517.9							
15.0	OBS	T00202	17.01	36.394	26.60		1518.6							
15.0	OBS	00303	17.01	36.392	26.60		1520.2							
15.0	OBS	T00405	16.76	36.340	26.62		1521.1							
15.0	OBS	00508	15.20	36.038	26.74		1517.6							
15.0	OBS	T00612	12.88	35.662	26.95		1511.3							
15.0	OBS	00825	10.53	35.393	27.18		1506.4							
15.0	OBS	01040	06.80	35.000	27.47		1495.4							
15.0	OBS	T01588	04.18	34.997	27.79		1494.0							

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REFID 31 1602 YEAR 1970 BOTDP 04755 AIR TEMP 17.8 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 03 SHIP EN WET BULB 16.7 27 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 18.4 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E39 007 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.4	OBS	00000	17.20	36.396	26.55		1515.8							
18.4	OBS	00027	17.06	36.403	26.59		1515.9							
18.4	OBS	00054	17.03	36.401	26.60		1516.2							
18.4	OBS	00082	17.02	36.397	26.60		1516.6							
18.4	OBS	00108	17.01	36.395	26.60		1517.0							
18.4	OBS	00164	16.94	36.386	26.61		1517.7							
18.4	OBS	T00218	16.89	36.373	26.61		1518.5							
18.4	OBS	00327	16.65	36.315	26.62		1519.5							
18.4	OBS	T00436	15.36	36.047	26.72		1517.0							
18.4	OBS	00546	13.68	35.777	26.87		1513.1							
18.4	OBS	T00655	11.14	35.412	27.09		1505.7							

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TABLE XVIII.—Continued

REFID 31 1602 YEAR 1970 BOTDP 02926 AIR TEMP 18.3 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 03 SHIP EN WET BULB 16.7 19 1 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 13.9 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E39 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	17.15	36.395	26.57		1515.7							
13.9	OBS	00026	17.07	36.396	26.59		1515.9							
13.9	OBS	00051	17.05	36.394	26.59		1516.2							
13.9	OBS	00077	17.01	36.391	26.60		1516.5							
13.9	OBS	00102	17.01	36.392	26.60		1516.9							
13.9	OBS	00153	16.99	36.384	26.60		1517.7							
13.9	OBS	T00204	16.94	36.380	26.60		1518.4							

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REFID 31 1602 YEAR 1970 BOTDP 04572 AIR TEMP 16.7 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 03 SHIP EN WET BULB 15.6 27 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 18 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 11.6 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E39 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.08	36.412	26.60		1515.5							
11.6	OBS	00025	17.07	36.400	26.59		1515.9							
11.6	OBS	00051	17.07	36.401	26.59		1516.3							
11.6	OBS	00077	17.02	36.396	26.60		1516.6							
11.6	OBS	00103	17.03	36.394	26.59		1517.0							
11.6	OBS	00153	17.03	36.387	26.59		1517.8							
11.6	OBS	T00205	17.01	36.390	26.60		1518.6							
11.6	OBS	00307	16.98	36.382	26.60		1520.2							
11.6	OBS	00411	16.59	36.285	26.61		1520.6							
11.6	OBS	00514	14.98	35.994	26.76		1517.0							
11.6	OBS	T00617	13.41	35.756	26.91		1513.3							
13.7	OBS	T02192	03.56	34.974	27.83		1501.6							
13.7	OBS	02741	03.08	34.952	27.86		1508.9							
13.7	OBS	03292	02.59	34.923	27.88		1516.4							
13.7	OBS	T03846	02.26	34.899	27.89		1524.6							
13.7	OBS	T03984	02.28	34.894	27.89		1527.1							

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REFID 31 1602 YEAR 1970 BOTDP 04023 AIR TEMP 16.1 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 03 SHIP EN WET BULB 13.9 32 3 3 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 19 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 14.1 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E39 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.1	OBS	00000	17.14	36.399	26.57		1515.7							
14.1	OBS	00024	17.03	36.392	26.59		1515.7							
14.1	OBS	00049	17.00	36.390	26.60		1516.0							
14.1	OBS	00074	17.02	36.394	26.60		1516.5							
14.1	OBS	00099	17.03	36.390	26.59		1516.9							
14.1	OBS	00147	17.02	36.391	26.59		1517.7							
14.1	OBS	00196	17.02	36.391	26.59		1518.5							
14.1	OBS	00294	16.96	36.388	26.61		1519.9							
14.1	OBS	00391	16.94	36.375	26.60		1521.4							
14.1	OBS	00489	15.88	36.155	26.68		1519.6							
14.1	OBS	00586	14.14	35.842	26.83		1515.3							
14.1	OBS	00781	08.82	35.088	27.24		1499.0							
14.1	OBS	T00977	06.21	35.086	27.61		1492.2							
14.1	OBS	T01474	04.29	35.011	27.79		1492.5							

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REFID 31 1602 YEAR 1970 BOTDP 03200 AIR TEMP 16.7 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 03 SHIP EN WET BULB 13.9 31 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 20 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 11.9 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E39 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.13	36.401	26.57		1515.6							
11.9	OBS	00025	17.09	36.404	26.59		1515.9							
11.9	OBS	00049	17.07	36.402	26.59		1516.3							
11.9	OBS	00074	17.09	36.398	26.58		1516.7							
11.9	OBS	00098	17.05	36.394	26.59		1517.0							
11.9	OBS	00148	17.03	36.391	26.59		1517.7							
11.9	OBS	T00197	17.03	36.391	26.59		1518.5							
11.9	OBS	00295	17.02	36.388	26.59		1520.1							
11.9	OBS	00392	17.00	36.378	26.59		1521.6							
11.9	OBS	00491	16.15	36.215	26.66		1520.5							
11.9	OBS	T00588	13.87	35.820	26.87		1514.4							
11.9	OBS	00785	09.66	35.238	27.21		1502.4							
11.9	OBS	00980	05.87	35.068	27.64		1490.8							
11.9	OBS	T01471	04.34	35.009	27.78		1492.7							

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TABLE XVIII.—Continued

REFID 31 1602	YEAR 1970	BOTDP 04541	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 03	SHIP EN	WET BULB 15.6	23 5 5	WIND-SPD 25	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 21	DATA USE 1	BAROMETR 1011.2	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 05 W	HOUR 17.5	AREA 05	CLOUD T/A 6/4	CL/TR	WEATHER X1	ORIG E39 012	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	17.16	36.369	26.54		1515.7							
17.5	OBS	00025	17.08	36.371	26.56		1515.9							
17.5	OBS	00048	17.03	36.382	26.58		1516.1							
17.5	OBS	00072	17.08	36.394	26.58		1516.7							
17.5	OBS	00096	17.08	36.395	26.58		1517.0							
17.5	OBS	00143	17.07	36.398	26.59		1517.8							
17.5	OBS	00190		36.395										
17.5	OBS	00285	16.99	36.397	26.61		1519.9							
17.5	OBS	00381	17.01	36.386	26.59		1521.5							
17.5	OBS	00480	15.72	36.116	26.69		1518.9							
17.5	OBS	T00585	13.64	35.773	26.88		1513.6							
17.5	OBS	00804	08.77	35.138	27.28		1499.2							
17.5	OBS	T01032	05.88	35.088	27.66		1491.7							

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REFID 31 1602	YEAR 1970	BOTDP 04755	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1206
CONSEC 0013	MONTH 03	SHIP EN	WET BULB 16.1	30 3 3	WIND-SPD 15	TRACE DIR	5 SQUARE 2
LAT 34 58 N	DAY 24	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 13 W	HOUR 14.0	AREA 05	CLOUD T/A 3/4	CL/TR	WEATHER X1	ORIG E39 013	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
14.0	OBS	00000	17.03	36.386	26.59		1515.3							
14.0	OBS	00028	16.99	36.388	26.60		1515.7							
14.0	OBS	00055	16.96	36.385	26.60		1516.0							
14.0	OBS	00083	16.98	36.386	26.60		1516.5							
14.0	OBS	00111	16.99	36.390	26.60		1517.0							
14.0	OBS	00167	16.98	36.385	26.60		1517.9							
14.0	OBS	T00223	16.96	36.372	26.59		1518.7							
14.0	OBS	00334		36.370										

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TABLE XIX.--Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 29 March 1970 - 1 May 1970, prepared from NODC listing No. 31 - 8162.

REFID 31 8162 YEAR 1970 BOTDP 04866 AIR TEMP 16.8 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1200
CONSEC 0001 MONTH 03 SHIP AI WET BULB 13.7 33 2 4 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 52 N DAY 30 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 57 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 001 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	16.91	36.36	26.60		1514.9							
	OBS	00010	16.90	36.38	26.61		1515.1							
	OBS	00020	16.90	36.38	26.61		1515.2							
	OBS	00030	16.90	36.38	26.61		1515.4							
	OBS	00050	16.90	36.39	26.62		1515.7							
	OBS	00075	16.90	36.39	26.62		1516.2							
	OBS	00100	16.90	36.39	26.62		1516.6							
	OBS	00125	16.90	36.39	26.62		1517.0							
	OBS	00150	16.90	36.39	26.62		1517.4							
	OBS	00200	16.90	36.39	26.62		1518.2							
	OBS	00250	16.91	36.40	26.63		1519.1							
	OBS	00300	16.91	36.39	26.62		1519.9							
	OBS	00320	16.90	36.39	26.62		1520.2							
	OBS	00400	16.26	36.24	26.66		1519.4							
	OBS	00430	16.26	36.29	26.70		1519.9							
	OBS	00485	15.39	36.10	26.75		1517.9							
	OBS	00500	15.35	36.10	26.76		1518.0							
	OBS	00540	14.36	35.90	26.82		1515.3							
	OBS	00600	13.81	35.83	26.89		1514.4							
	OBS	00700	11.11	35.41	27.09		1506.4							
	OBS	00750	09.97	35.22	27.15		1502.9							
	OBS	00800	08.75	35.14	27.29		1499.1							
	OBS	00870	07.29	35.02	27.41		1494.5							
	OBS	00900	06.58	35.02	27.51		1492.3							
	OBS	00930	06.39	35.02	27.54		1492.0							
	OBS	00960	06.00	35.06	27.62		1491.0							
	OBS	00985	06.17	35.10	27.63		1492.1							
	OBS	01000	06.02	35.10	27.65		1491.8							
	OBS	01020	06.04	35.12	27.66		1492.2							
	OBS	01050	05.90											
	OBS	01055	05.98	35.15	27.69		1492.6							
	OBS	01100	05.50	35.10	27.72		1491.4							
	OBS	01200	05.03	35.06	27.74		1491.1							
	OBS	01300	04.75	35.06	27.77		1491.6							
	OBS	01400	04.56	35.05	27.79		1492.5							
	OBS	01500	04.32	35.04	27.81		1493.1							

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REFID 31 8162 YEAR 1970 BOTDP 04938 AIR TEMP 20.1 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0002 MONTH 03 SHIP AI WET BULB 16.4 18 2 2 WIND-SPD 07 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 30 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 08 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 002 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.06	36.36	26.56		1515.4							
	OBS	00010	16.94	36.36	26.59		1515.2							
	OBS	00020	16.90	36.36	26.60		1515.2							
	OBS	00030	16.90	36.36	26.60		1515.4							
	OBS	00040	16.90	36.36	26.60		1515.5							
	OBS	00050	16.90	36.36	26.60		1515.7							
	OBS	00075	16.90	36.36	26.60		1516.1							
	OBS	00100	16.90	36.36	26.60		1516.5							
	OBS	00125	16.91	36.36	26.60		1517.0							
	OBS	00150	16.91	36.36	26.60		1517.4							
	OBS	00200	16.91	36.36	26.60		1518.2							
	OBS	00250	16.92	36.36	26.59		1519.1							
	OBS	00300	16.91	36.37	26.60		1519.9							
	OBS	00350	16.86	36.36	26.61		1520.5							
	OBS	00400	16.14	36.17	26.63		1518.9							
	OBS	00415	15.97	36.16	26.66		1518.6							
	OBS	00430	16.06	36.21	26.68		1519.2							
	OBS	00500	15.01	36.03	26.78		1516.9							
	OBS	00600	13.51	35.78	26.91		1513.4							
	OBS	00700	10.92	35.37	27.10		1505.7							
	OBS	00740	10.46	35.31	27.13		1504.6							
	OBS	00800	08.64	35.10	27.27		1498.6							
	OBS	00900	06.75	34.99	27.47		1492.9							
	OBS	00960	05.95	34.97	27.56		1490.7							
	OBS	00990	06.21	35.11	27.63		1492.4							
	OBS	01000	06.16	35.10	27.63		1492.4							
	OBS	01050	06.17	35.14	27.66		1493.3							
	OBS	01065	05.95	35.11	27.67		1492.6							
	OBS	01080	06.02	35.15	27.69		1493.2							
	OBS	01100	05.75	35.10	27.68		1492.4							
	OBS	01115	05.50	35.08	27.70		1491.6							
	OBS	01200	05.16	35.06	27.73		1491.0							
	OBS	01300	04.84	35.05	27.75		1492.0							
	OBS	01400	04.58	35.03	27.77		1492.5							
	OBS	01470	04.49	35.03	27.78		1493.3							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTDP 05121	AIR TEMP 17.1	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 03	SHIP AI	WET BULB 12.4	28 2 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 31	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 06 W	HOUR 00.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E40 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.7	OBS	00000	16.96	36.36	26.58		1515.1							
	OBS	00010	16.95	36.36	26.59		1515.2							
	OBS	00020	16.94	36.36	26.59		1515.3							
	OBS	00030	16.92	36.36	26.59		1515.4							
	OBS	00050	16.92	36.37	26.60		1515.8							
	OBS	00075	16.92	36.37	26.60		1516.2							
	OBS	00100	16.92	36.37	26.60		1516.6							
	OBS	00125	16.92	36.37	26.60		1517.0							
	OBS	00150	16.93	36.37	26.60		1517.5							
	OBS	00200	16.93	36.37	26.60		1518.3							
	OBS	00250	16.93	36.37	26.60		1519.1							
	OBS	00300	16.93	36.37	26.60		1519.9							
	OBS	00350	16.92	36.36	26.59		1520.7							
	OBS	00400	16.74	36.32	26.61		1520.9							
	OBS	00460	15.55	36.10	26.71		1518.0							
	OBS	00500	14.96	36.02	26.78		1516.7							
	OBS	00600	13.56	35.77	26.89		1513.5							
	OBS	00670	12.15	35.55	27.01		1509.7							
	OBS	00700	10.86	35.35	27.09		1505.4							
	OBS	00800	08.25	35.07	27.31		1497.1							
	OBS	00900	06.34	34.99	27.52		1491.3							
	OBS	00970	05.70	35.00	27.61		1489.9							
	OBS	01000	06.05	35.11	27.65		1491.9							
	OBS	01035	05.70	35.09	27.68		1491.1							
	OBS	01100	05.63	35.12	27.72		1491.9							
	OBS	01200	04.95	35.05	27.74		1490.7							
	OBS	01300	04.65	35.03	27.76		1491.1							
	OBS	01400	04.53	35.04	27.76		1492.3							
	OBS	01440	04.43	35.03	27.79		1492.6							

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REFID 31 8162	YEAR 1970	BOTDP 04938	AIR TEMP 16.8	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 03	SHIP AI	WET BULB 13.7	28 2 3	WIND-SPD 19	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 31	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 58 W	HOUR 07.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E40 004	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.9	OBS	00000	16.96	36.38	26.60		1515.1							
	OBS	00010	16.96	36.38	26.60		1515.3							
	OBS	00020	16.96	36.38	26.60		1515.4							
	OBS	00030	16.97	36.38	26.60		1515.6							
	OBS	00050	16.96	36.38	26.60		1515.9							
	OBS	00075	16.94	36.38	26.60		1516.3							
	OBS	00100	16.94	36.38	26.60		1516.7							
	OBS	00125	16.94	36.38	26.60		1517.1							
	OBS	00150	16.96	36.38	26.60		1517.6							
	OBS	00200	16.96	36.38	26.60		1518.4							
	OBS	00250	16.96	36.38	26.60		1519.2							
	OBS	00300	16.93	36.37	26.60		1519.9							
	OBS	00400	16.14	36.19	26.65		1519.0							
	OBS	00500	14.48	35.68	26.78		1515.0							
	OBS	00600	13.28	35.74	26.93		1512.6							
	OBS	00700	11.08	35.40	27.09		1506.3							
	OBS	00800	08.17	35.04	27.30		1496.8							
	OBS	00900	06.32	35.00	27.53		1491.2							
	OBS	01000	05.52	35.01	27.64		1489.7							
	OBS	01050	05.09	34.99	27.68		1488.7							
	OBS	01080	05.01	35.00	27.70		1488.9							
	OBS	01100	05.05	35.03	27.71		1489.4							
	OBS	01150	05.33	35.10	27.74		1491.5							
	OBS	01200	05.12	35.08	27.75		1491.5							
	OBS	01300	04.77	35.04	27.75		1491.7							
	OBS	01400	04.38	35.01	27.77		1491.7							
	OBS	01430	04.26	35.01	27.79		1491.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 04297 AIR TEMP 17.9 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 03 SHIP AI WET BULB 14.2 24 3 3 WIND-SPD 22 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 31 DATA USE 1 BAROMETR 1010.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	16.93	36.36	26.55		1515.0							
	OBS	00010	16.93	36.36	26.55		1515.1							
	OBS	00020	16.93	36.37	26.60		1515.3							
	OBS	00030	16.93	36.37	26.60		1515.5							
	OBS	00050	16.93	36.37	26.60		1515.8							
	OBS	00075	16.92	36.37	26.60		1516.2							
	OBS	00100	16.91	36.37	26.60		1516.6							
	OBS	00125	16.92	36.37	26.60		1517.0							
	OBS	00150	16.93	36.37	26.60		1517.5							
	OBS	00200	16.94	36.37	26.60		1518.3							
	OBS	00250	16.94	36.38	26.60		1519.1							
	OBS	00300	16.95	36.37	26.59		1520.0							
	OBS	00330	16.88	36.35	26.60		1520.2							
	OBS	00400	16.58	36.29	26.62		1520.4							
	OBS	00435	16.19	36.22	26.66		1519.7							
	OBS	00450	16.33	36.27	26.66		1520.5							
	OBS	00500	15.67	36.13	26.71		1519.1							
	OBS	00600	13.33	35.72	26.90		1512.7							
	OBS	00700	10.88	35.36	27.10		1505.5							
	OBS	00800	08.39	35.10	27.31		1497.7							
	OBS	00900	06.33	34.98	27.51		1491.2							
	OBS	00930	06.18	34.97	27.53		1491.1							
	OBS	00965	06.36	35.11	27.61		1492.6							
	OBS	01000	06.26	35.12	27.63		1492.8							
	OBS	01100	05.65	35.11	27.70		1492.0							
	OBS	01200	05.00	35.06	27.74		1490.9							
	OBS	01300	04.76	35.05	27.76		1491.6							
	OBS	01400	04.52	35.04	27.78		1492.3							
	OBS	01430	04.49	35.04	27.79		1492.7							

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REFID 31 8162 YEAR 1970 BOTDP 04936 AIR TEMP 18.5 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 04 SHIP AI WET BULB 15.2 34 4 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 01 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 58 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.06	36.37	26.57		1515.4							
	OBS	00010	17.00	36.37	26.58		1515.4							
	OBS	00020	16.99	36.38	26.59		1515.5							
	OBS	00030	16.98	36.38	26.59		1515.6							
	OBS	00050	16.98	36.38	26.59		1516.0							
	OBS	00075	16.98	36.38	26.59		1516.4							
	OBS	00100	16.98	36.38	26.59		1516.8							
	OBS	00125	16.98	36.38	26.59		1517.2							
	OBS	00150	16.98	36.38	26.59		1517.6							
	OBS	00200	16.97	36.38	26.60		1518.4							
	OBS	00250	16.96	36.38	26.60		1519.2							
	OBS	00300	16.93	36.37	26.60		1519.9							
	OBS	00324	16.92	36.37	26.60		1520.3							
	OBS	00400	16.34	36.23	26.63		1519.6							
	OBS	00500	14.90	35.96	26.75		1516.5							
	OBS	00600	13.17	35.67	26.89		1512.1							
	OBS	00700	10.99	35.37	27.08		1505.9							
	OBS	00800	08.51	35.11	27.30		1498.2							
	OBS	00900	07.00	35.05	27.48		1493.9							
	OBS	01000	06.22	35.12	27.64		1492.6							
	OBS	01100	05.69	35.11	27.70		1492.1							
	OBS	01200	05.17	35.09	27.75		1491.7							
	OBS	01300	04.71	35.05	27.77		1491.4							
	OBS	01400	04.49	35.04	27.79		1492.2							
	OBS	01485	04.36	35.04	27.80		1493.1							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTDP 04936	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 04	SHIP AI	WET BULB 15.5	31 4 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 34 52 N	DAY 03	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 07 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E40 007	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	16.93	36.37	26.60		1515.0							
	OBS	00010	16.93	36.37	26.60		1515.2							
	OBS	00020	16.93	36.37	26.60		1515.3							
	OBS	00030	16.93	36.38	26.61		1515.5							
	OBS	00050	16.93	36.38	26.61		1515.8							
	OBS	00075	16.93	36.38	26.61		1516.2							
	OBS	00100	16.93	36.39	26.61		1516.7							
	OBS	00125	16.94	36.39	26.61		1517.1							
	OBS	00150	16.95	36.39	26.61		1517.5							
	OBS	00200	16.96	36.39	26.61		1518.4							
	OBS	00250	16.96	36.39	26.61		1519.2							
	OBS	00300	16.96	36.39	26.61		1520.0							
	OBS	00325	16.94	36.38	26.60		1520.4							
	OBS	00375	16.90	36.38	26.61		1521.1							
	OBS	00400	16.40	36.22	26.61		1519.8							
	OBS	00460	15.60	36.13	26.73		1518.2							
	OBS	00500	14.50	35.92	26.81		1515.1							
	OBS	00600	12.66	35.64	26.97		1510.4							
	OBS	00700	10.30	35.30	27.15		1503.4							
	OBS	00800	08.13	35.10	27.35		1496.7							
	OBS	00900	06.61	35.02	27.51		1492.4							
	OBS	00950	06.16	35.06	27.60		1491.5							
	OBS	01000	06.16	35.15	27.67		1492.4							
	OBS	01100	05.60	35.13	27.73		1491.8							
	OBS	01200	05.13	35.10	27.76		1491.5							
	OBS	01300	04.72	35.07	27.78		1491.5							
	OBS	01400	04.56	35.07	27.80		1492.5							
	OBS	01500	04.42	35.06	27.81		1493.6							

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REFID 31 8162	YEAR 1970	BOTDP 04389	AIR TEMP 17.3	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 04	SHIP AI	WET BULB 13.5	31 2 2	WIND-SPD 14	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 03	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 15 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E40 008	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	16.98	36.36	26.58		1515.1							
	OBS	00010	16.95	36.36	26.59		1515.2							
	OBS	00020	16.95	36.36	26.59		1515.3							
	OBS	00030	16.94	36.36	26.59		1515.5							
	OBS	00050	16.91	36.36	26.60		1515.7							
	OBS	00075	16.89	36.36	26.60		1516.1							
	OBS	00100	16.89	36.37	26.61		1516.5							
	OBS	00125	16.89	36.37	26.61		1516.9							
	OBS	00150	16.91	36.37	26.60		1517.4							
	OBS	00200	16.92	36.38	26.61		1518.3							
	OBS	00250	16.92	36.38	26.61		1519.1							
	OBS	00283	16.92	36.38	26.61		1519.6							
	OBS	00300	16.76	36.33	26.61		1519.4							
	OBS	00400	15.86	36.17	26.70		1518.1							
	OBS	00410	15.59	36.12	26.72		1517.3							
	OBS	00460	15.81	36.21	26.74		1518.5							
	OBS	00500	14.52	35.94	26.82		1515.2							
	OBS	00600	12.42	35.57	26.97		1509.5							
	OBS	00700	10.07	35.29	27.19		1502.5							
	OBS	00800	07.77	35.06	27.38		1495.3							
	OBS	00900	06.53	35.11	27.59		1492.2							
	OBS	00930	06.56	35.12	27.59		1492.8							
	OBS	00935	06.36	35.13	27.63		1492.1							
	OBS	01000	06.00	35.14	27.68		1491.8							
	OBS	01100	05.50	35.13	27.74		1491.4							
	OBS	01200	05.02	35.10	27.77		1491.1							
	OBS	01300	04.70	35.07	27.79		1491.4							
	OBS	01400	04.50	35.08	27.82		1492.3							
	OBS	01500	04.30	35.07	27.83		1493.1							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BUTDP 04663 AIR TEMP 17.9 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0009 MONTH 04 SHIP AI WET BULB 14.8 31 4 4 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 04 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 13 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
00.0	OBS	00000	16.91	36.37	26.60		1514.9							
	OBS	00010	16.91	36.37	26.60		1515.1							
	OBS	00020	16.91	36.38	26.61		1515.3							
	OBS	00030	16.88	36.38	26.62		1515.4							
	OBS	00050	16.88	36.38	26.62		1515.7							
	OBS	00075	16.88	36.38	26.62		1516.1							
	OBS	00100	16.88	36.38	26.62		1516.5							
	OBS	00125	16.88	36.38	26.62		1516.9							
	OBS	00150	16.90	36.39	26.62		1517.4							
	OBS	00200	16.91	36.39	26.62		1518.2							
	OBS	00250	16.90	36.39	26.62		1519.0							
	OBS	00300	16.90	36.39	26.62		1519.9							
	OBS	00330	16.88	36.39	26.63		1520.5							
	OBS	00400	16.08	36.24	26.70		1518.8							
	OBS	00443	15.52	36.11	26.73		1517.7							
	OBS	00490	15.34	36.09	26.75		1517.8							
	OBS	00500	14.78	35.96	26.78		1516.1							
	OBS	00600	12.98	35.66	26.93		1511.5							
	OBS	00700	10.75	35.35	27.11		1505.0							
	OBS	00800	08.05	35.07	27.34		1496.4							
	OBS	00900	06.81	35.07	27.52		1493.2							
	OBS	00990	06.12	35.08	27.62		1492.0							
	OBS	01000	06.23	35.15	27.66		1492.7							
	OBS	01100	05.72	35.13	27.71		1492.3							
	OBS	01200	05.21	35.11	27.76		1491.9							
	OBS	01300	04.90	35.09	27.78		1492.3							
	OBS	01400	04.50	35.06	27.80		1492.2							
	OBS	01500	04.33	35.06	27.82		1493.2							

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REFID 31 8162 YEAR 1970 BUTDP 04663 AIR TEMP 17.9 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0010 MONTH 04 SHIP AI WET BULB 15.2 27 2 4 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 09 N DAY 04 DATA USE 1 BAROMETR 1010.2 SEA WIND-FOR DURATION 03.4 2 SQUARE 48
LONG 048 14 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
06.1	OBS	00000	16.86	36.37	26.61		1514.8							
	OBS	00010	16.88	36.37	26.61		1515.0							
	OBS	00020	16.88	36.37	26.61		1515.2							
	OBS	00030	16.87	36.37	26.61		1515.3							
	OBS	00050	16.87	36.37	26.61		1515.6							
	OBS	00075	16.87	36.37	26.61		1516.0							
	OBS	00100	16.87	36.37	26.61		1516.5							
	OBS	00125	16.88	36.37	26.61		1516.9							
	OBS	00150	16.88	36.37	26.61		1517.3							
	OBS	00200	16.88	36.37	26.61		1518.1							
	OBS	00250	16.89	36.38	26.62		1519.0							
	OBS	00300	16.89	36.38	26.62		1519.8							
	OBS	00320	16.86	36.36	26.61		1520.0							
	OBS	00400	16.14	36.21	26.66		1519.0							
	OBS	00500	15.08	36.04	26.77		1517.1							
	OBS	00520	14.50	35.91	26.80		1515.5							
	OBS	00532	14.61	35.98	26.83		1516.1							
	OBS	00600	13.29	35.72	26.91		1512.6							
	OBS	00700	10.64	35.34	27.12		1504.6							
	OBS	00800	08.46	35.13	27.33		1498.0							
	OBS	00840	07.14	35.01	27.43		1493.4							
	OBS	00900	06.63	35.08	27.55		1492.5							
	OBS	00950	06.38	35.08	27.59		1492.4							
	OBS	00965	05.85	35.05	27.63		1490.5							
	OBS	01000	05.68	35.11	27.68		1491.2							
	OBS	01100	05.72	35.15	27.73		1492.3							
	OBS	01160	05.44	35.13	27.76		1491.6							
	OBS	01200	05.42	35.15	27.76		1492.8							
	OBS	01300	05.04	35.13	27.79		1492.9							
	OBS	01400	04.51	35.07	27.81		1492.3							
	OBS	01500	04.44	35.07	27.82		1493.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 03298 AIR TEMP 17.9 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 04 SHIP AI WET BULB 14.8 28 3 3 WIND-SPD 26 TRACE DIR D 5 SQUARE 4
LAT 35 14 N DAY 04 DATA USE 1 BAROMETR 1010.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	16.75	36.35	26.63		1514.4							
	OBS	00010	16.75	36.34	26.62		1514.3							
	OBS	00020	16.7	36.34	26.62		1514.7							
	OBS	00030	16.74	36.34	26.62		1514.9							
	OBS	00050	16.73	36.34	26.62		1515.2							
	OBS	00075	16.71	36.35	26.64		1515.5							
	OBS	00100	16.71	36.35	26.64		1516.0							
	OBS	00125	16.71	36.35	26.64		1516.4							
	OBS	00150	16.72	36.35	26.63		1516.8							
	OBS	00190	16.69	36.34	26.63		1517.4							
	OBS	00200	16.57	36.30	26.63		1517.1							
	OBS	00220	16.29	36.24	26.65		1516.5							
	OBS	00250	16.35	36.27	26.66		1517.2							
	OBS	00300	15.86	36.16	26.69		1516.4							
	OBS	00330	15.67	36.16	26.73		1516.3							
	OBS	00400	14.15	35.82	26.81		1512.2							
	OBS	00500	12.65	35.63	26.97		1508.7							
	OBS	00600	10.38	35.30	27.14		1502.0							
	OBS	00700	08.66	35.12	27.29		1497.1							
	OBS	00800	06.79	35.06	27.52		1491.5							
	OBS	00836	06.54	35.06	27.55		1491.1							
	OBS	00875	06.48	35.08	27.57		1491.5							
	OBS	00900	05.98	35.05	27.62		1489.9							
	OBS	00965	05.67	35.06	27.66		1489.8							
	OBS	00985	05.84	35.12	27.69		1490.9							
	OBS	01000	05.75	35.10	27.68		1490.7							
	OBS	01100	05.56	35.15	27.75		1491.7							
	OBS	01200	05.06	35.10	27.77		1491.3							
	OBS	01300	04.57	35.06	27.79		1490.9							
	OBS	01400	04.29	35.05	27.82		1491.4							
	OBS	01500	04.07	35.05	27.84		1492.1							

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REFID 31 8162 YEAR 1970 BOTDP 02377 AIR TEMP 18.4 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 04 SHIP AI WET BULB 15.2 28 4 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 04 DATA USE 1 BAROMETR 1011.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 10 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	16.88	36.36	26.60		1514.8							
	OBS	00010	16.88	36.36	26.60		1515.0							
	OBS	00020	16.88	36.36	26.60		1515.2							
	OBS	00030	16.88	36.37	26.61		1515.3							
	OBS	00050	16.89	36.37	26.61		1515.7							
	OBS	00075	16.88	36.37	26.61		1516.1							
	OBS	00100	16.88	36.37	26.61		1516.5							
	OBS	00125	16.87	36.37	26.61		1516.9							
	OBS	00150	16.87	36.37	26.61		1517.3							
	OBS	00200	16.88	36.37	26.61		1518.1							
	OBS	00250	16.88	36.38	26.62		1519.0							
	OBS	00275	16.85	36.37	26.62		1519.3							
	OBS	00300	16.65	36.33	26.64		1519.0							
	OBS	00345	16.28	36.21	26.63		1518.5							
	OBS	00400	15.33	36.03	26.71		1516.3							
	OBS	00430	14.89	35.98	26.77		1515.3							
	OBS	00450	14.18	35.76	26.75		1513.1							
	OBS	00490	14.01	35.85	26.86		1513.3							
	OBS	00500	13.73	35.78	26.86		1512.5							
	OBS	00600	11.83	35.48	27.01		1507.3							
	OBS	00700	09.48	35.20	27.22		1500.2							
	OBS	00800	07.49	35.06	27.42		1494.2							
	OBS	00815	07.49	35.05	27.41		1494.4							
	OBS	00880	06.27	35.00	27.54		1490.7							
	OBS	00900	06.40	35.12	27.62		1491.7							
	OBS	00930	06.19	35.08	27.61		1491.3							
	OBS	00950	06.30	35.13	27.64		1492.1							
	OBS	01000	06.03	35.12	27.66		1491.9							
	OBS	01100	05.37	35.09	27.72		1490.8							
	OBS	01200	04.94	35.07	27.76		1490.7							
	OBS	01300	04.61	35.04	27.77		1491.0							
	OBS	01400	04.32	35.03	27.80		1491.5							
	OBS	01500	04.19	35.03	27.81		1492.6							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 04755 AIR TEMP 16.6 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 04 SHIP AI WET BULB 13.6 29 2 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1014.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 52 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E40 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	16.89	36.36	26.60		1514.9							
	OBS	00010	16.88	36.36	26.60		1515.0							
	OBS	00020	16.88	36.37	26.61		1515.2							
	OBS	00030	16.88	36.37	26.61		1515.3							
	OBS	00050	16.88	36.37	26.61		1515.7							
	OBS	00075	16.88	36.37	26.61		1516.1							
	OBS	00100	16.88	36.37	26.61		1516.5							
	OBS	00125	16.88	36.37	26.61		1516.9							
	OBS	00150	16.88	36.37	26.61		1517.3							
	OBS	00200	16.88	36.38	26.62		1518.1							
	OBS	00250	16.86	36.37	26.62		1518.9							
	OBS	00280	16.26	36.23	26.65		1517.4							
	OBS	00300	16.41	36.30	26.67		1518.3							
	OBS	00318	16.33	36.29	26.68		1518.3							
	OBS	00350	15.41	36.07	26.72		1515.7							
	OBS	00360	15.68	36.17	26.74		1516.9							
	OBS	00400	15.07	36.04	26.78		1515.5							
	OBS	00500	13.33	35.70	26.89		1511.0							
	OBS	00600	11.30	35.39	27.04		1505.4							
	OBS	00700	08.78	35.11	27.26		1497.5							
	OBS	00800	06.89	35.03	27.48		1491.8							
	OBS	00900	05.99	35.05	27.60		1489.9							
	OBS	00930	05.89	35.07	27.64		1490.1							
	OBS	00970	05.99	35.13	27.68		1491.2							
	OBS	01000	05.79	35.13	27.70		1490.9							
	OBS	01100	05.20	35.10	27.75		1490.2							
	OBS	01200	04.90	35.09	27.78		1490.6							
	OBS	01300	04.64	35.06	27.79		1491.1							
	OBS	01375	04.32	35.03	27.80		1491.0							
	OBS	01400	04.44	35.06	27.81		1492.0							
	OBS	01500	04.20	35.05	27.83		1492.7							

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REFID 31 8162 YEAR 1970 BOTDP 04709 AIR TEMP 16.9 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 04 SHIP AI WET BULB 13.2 30 2 4 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 05 DATA USE 1 BAROMETR 1014.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 09 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E40 014 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	16.90	36.36	26.60		1514.9							
	OBS	00010	16.90	36.36	26.60		1515.1							
	OBS	00020	16.90	36.36	26.60		1515.2							
	OBS	00030	16.89	36.37	26.61		1515.4							
	OBS	00050	16.89	36.37	26.61		1515.7							
	OBS	00075	16.88	36.37	26.61		1516.1							
	OBS	00100	16.88	36.37	26.61		1516.5							
	OBS	00125	16.88	36.37	26.61		1516.9							
	OBS	00150	16.88	36.37	26.61		1517.3							
	OBS	00200	16.89	36.38	26.62		1518.2							
	OBS	00250	16.86	36.36	26.61		1518.9							
	OBS	00300	16.59	36.30	26.63		1518.6							
	OBS	00350	15.96	36.17	26.67		1517.6							
	OBS	00400	15.10	36.00	26.74		1515.5							
	OBS	00430	14.81	35.99	26.79		1515.1							
	OBS	00500	13.73	35.79	26.87		1512.5							
	OBS	00600	11.22	35.41	27.07		1505.1							
	OBS	00700	08.89	35.12	27.25		1498.0							
	OBS	00800	06.88	35.03	27.48		1491.6							
	OBS	00870	06.10	35.03	27.58		1489.9							
	OBS	00900	06.23	35.11	27.63		1491.0							
	OBS	01000	05.71	35.12	27.71		1490.6							
	OBS	01100	05.20	35.09	27.74		1490.1							
	OBS	01200	04.99	35.09	27.77		1490.9							
	OBS	01290	04.68	35.05	27.77		1491.1							
	OBS	01300	04.75	35.07	27.78		1491.6							
	OBS	01400	04.50	35.06	27.80		1492.2							
	OBS	01500	04.30	35.05	27.82		1493.1							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTDP 02377	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 04	SHIP AI	WET BULB 14.3	29 3 3	WIND-SPD 09	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 05	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 48
LONG 048 02 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E40 015	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	16.94	36.36	26.59		1515.0							
	OBS	00010	16.92	36.36	26.59		1515.1							
	OBS	00020	16.90	36.35	26.59		1515.2							
	OBS	00030	16.88	36.35	26.60		1515.3							
	OBS	00050	16.85	36.35	26.60		1515.6							
	OBS	00075	16.75	36.31	26.60		1515.6							
	OBS	00100	16.78	36.34	26.61		1516.1							
	OBS	00125	16.78	36.35	26.62		1516.6							
	OBS	00150	16.79	36.35	26.62		1517.0							
	OBS	00180	16.76	36.35	26.62		1517.4							
	OBS	00200	16.40	36.27	26.65		1516.6							
	OBS	00250	16.30	36.26	26.66		1517.1							
	OBS	00300	15.80	36.13	26.68		1516.2							
	OBS	00400	14.39	35.87	26.79		1513.1							
	OBS	00435	13.49	35.70	26.85		1510.5							
	OBS	00465	13.37	35.73	26.90		1510.6							
	OBS	00500	12.84	35.64	26.94		1509.3							
	OBS	00600	11.09	35.40	27.09		1504.7							
	OBS	00700	09.00	35.14	27.25		1498.4							
	OBS	00800	07.25	35.06	27.45		1493.3							
	OBS	00870	06.13	35.00	27.56		1489.9							
	OBS	00900	06.04	35.07	27.62		1490.2							
	OBS	00965	06.00	35.11	27.66		1491.1							
	OBS	01000	05.74	35.10	27.69		1490.7							
	OBS	01035	05.41	35.09	27.72		1489.9							
	OBS	01100	05.23	35.08	27.73		1490.2							
	OBS	01200	04.97	35.08	27.76		1490.9							
	OBS	01235	04.95	35.07	27.76		1491.3							
	OBS	01260	04.58	35.04	27.78		1490.2							
	OBS	01300	04.50	35.04	27.79		1490.5							
	OBS	01400	04.27	35.01	27.79		1491.2							
	OBS	01500	04.12	35.01	27.80		1492.3							

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REFID 31 8162	YEAR 1970	BOTDP 04755	AIR TEMP 20.4	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 04	SHIP AI	WET BULB 14.6	30 3 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 05	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 06 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E40 016	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	16.83	36.34	26.60		1514.7							
	OBS	00010	16.81	36.34	26.60		1514.8							
	OBS	00020	16.81	36.34	26.60		1514.9							
	OBS	00030	16.81	36.34	26.60		1515.1							
	OBS	00050	16.81	36.34	26.60		1515.4							
	OBS	00075	16.81	36.35	26.61		1515.8							
	OBS	00100	16.81	36.34	26.60		1516.2							
	OBS	00125	16.80	36.34	26.61		1516.6							
	OBS	00150	16.79	36.34	26.61		1517.0							
	OBS	00200	16.78	36.34	26.61		1517.8							
	OBS	00216	16.77	36.33	26.61		1518.0							
	OBS	00250	16.21	36.21	26.65		1516.7							
	OBS	00270	15.86	36.12	26.66		1515.9							
	OBS	00300	15.79	36.14	26.69		1516.2							
	OBS	00315	15.76	36.14	26.70		1516.3							
	OBS	00400	14.90	35.93	26.73		1514.8							
	OBS	00465	13.34	35.72	26.90		1510.5							
	OBS	00500	13.05	35.69	26.93		1510.1							
	OBS	00525	12.86											
	OBS	00600	11.11	35.39	27.08		1504.7							
	OBS	00700	08.93	35.14	27.26		1498.1							
	OBS	00800	07.11	35.02	27.44		1492.7							
	OBS	00820	06.50	35.00	27.51		1490.6							
	OBS	00880	06.19	35.03	27.57		1490.4							
	OBS	00900	06.21	35.08	27.61		1490.9							
	OBS	01000	05.71	35.09	27.68		1490.5							
	OBS	01100	05.19	35.07	27.73		1490.1							
	OBS	01200	04.86	35.05	27.75		1490.4							
	OBS	01300	04.60	35.04	27.77		1491.0							
	OBS	01400	04.31	35.01	27.78		1491.4							
	OBS	01500	04.21	35.02	27.80		1492.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 03475 AIR TEMP 17.4 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 04 SHIP AI WET BULB 11.4 34 3 3 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 06 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 19 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	17.15	36.36	26.54		1515.6							
	OBS	00010	17.15	36.38	26.55		1515.8							
	OBS	00020	17.15	36.38	26.55		1516.0							
	OBS	00030	17.14	36.38	26.56		1516.1							
	OBS	00050	16.92	36.35	26.59		1515.8							
	OBS	00075	16.91	36.35	26.59		1516.1							
	OBS	00100	16.91	36.35	26.59		1516.0							
	OBS	00125	16.90	36.36	26.60		1516.9							
	OBS	00150	16.87	36.36	26.61		1517.3							
	OBS	00200	16.86	36.36	26.61		1518.1							
	OBS	00250	16.83	36.36	26.62		1518.8							
	OBS	00270	16.81	36.35	26.61		1519.0							
	OBS	00300	16.53	36.28	26.63		1518.6							
	OBS	00400	15.57	36.11	26.72		1517.1							
	OBS	00430	15.52	36.11	26.73		1517.4							
	OBS	00500	14.12	35.82	26.81		1513.8							
	OBS	00600	12.52	35.58	26.96		1509.8							
	OBS	00700	10.37	35.31	27.15		1503.6							
	OBS	00800	07.82	35.05	27.36		1495.5							
	OBS	00900	06.50	35.02	27.52		1491.9							
	OBS	00940	06.13	35.06	27.60		1491.2							
	OBS	01000	06.12	35.13	27.66		1492.2							
	OBS	01100	05.64	35.11	27.71		1491.9							
	OBS	01200	05.18	35.09	27.75		1491.7							
	OBS	01300	04.82	35.07	27.77		1491.9							
	OBS	01345	04.51	35.04	27.78		1491.3							
	OBS	01400	04.46	35.04	27.79		1492.0							
	OBS	01500	04.34	35.04	27.80		1493.2							

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REFID 31 8162 YEAR 1970 BOTDP 02926 AIR TEMP 17.3 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 04 SHIP AI WET BULB 14.4 34 3 4 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 06 DATA USE 1 BAROMETR 1014.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 03 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.19	36.37	26.54		1515.8							
	OBS	00010	17.18	36.37	26.54		1515.9							
	OBS	00020	17.18	36.38	26.55		1516.1							
	OBS	00030	17.18	36.39	26.55		1516.3							
	OBS	00050	17.18	36.39	26.55		1516.6							
	OBS	00075	17.13	36.38	26.56		1516.8							
	OBS	00100	17.07	36.37	26.57		1517.1							
	OBS	00125	16.99	36.36	26.58		1517.2							
	OBS	00150	16.92	36.35	26.59		1517.4							
	OBS	00200	16.65	36.30	26.61		1517.4							
	OBS	00250	16.45	36.27	26.64		1517.5							
	OBS	00300	16.02	36.19	26.68		1516.9							
	OBS	00320	15.54	36.10	26.72		1515.7							
	OBS	00350	15.51	36.10	26.72		1516.1							
	OBS	00400	14.96	36.01	26.78		1515.1							
	OBS	00500	13.62	35.78	26.89		1512.1							
	OBS	00600	11.77	35.50	27.04		1507.2							
	OBS	00700	09.33	35.16	27.21		1499.6							
	OBS	00800	07.40	35.05	27.42		1493.8							
	OBS	00879	06.41	35.04	27.55		1491.3							
	OBS	00882	06.22	35.02	27.56		1490.5							
	OBS	00900	06.18	35.03	27.57		1490.7							
	OBS	00919	06.17	35.04	27.58		1491.0							
	OBS	00942	05.87	35.05	27.62		1490.2							
	OBS	00979	05.82	35.08	27.66		1490.6							
	OBS	00990	05.94	35.11	27.67		1491.3							
	OBS	01000	05.85	35.10	27.67		1491.1							
	OBS	01025	05.86	35.12	27.69		1491.6							
	OBS	01100	05.47	35.10	27.72		1491.2							
	OBS	01200	04.99	35.07	27.75		1490.9							
	OBS	01300	04.71	35.06	27.78		1491.4							
	OBS	01400	04.30	35.02	27.79		1491.4							
	OBS	01500	04.13	35.02	27.81		1492.3							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTDP 04572	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1206
CONSEC 0019	MONTH 04	SHIP AI	WET BULB 15.9	31 2 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 06	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 08 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E40 019	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	17.09	36.38	26.57		1515.5							
	OBS	00010	17.09	36.39	26.58		1515.7							
	OBS	00020	17.09	36.39	26.58		1515.8							
	OBS	00030	17.09	36.39	26.58		1516.0							
	OBS	00050	17.09	36.40	26.58		1516.3							
	OBS	00075	17.09	36.40	26.58		1516.7							
	OBS	00100	16.89	36.37	26.61		1516.5							
	OBS	00125	16.89	36.37	26.61		1516.9							
	OBS	00150	16.87	36.36	26.61		1517.3							
	OBS	00200	16.85	36.37	26.62		1518.0							
	OBS	00250	16.80	36.36	26.62		1518.7							
	OBS	00300	16.30	36.24	26.65		1517.9							
	OBS	00400	15.40	36.11	26.76		1516.6							
	OBS	00500	13.75	35.81	26.88		1512.6							
	OBS	00600	12.06	35.54	27.01		1508.2							
	OBS	00700	09.51	35.20	27.21		1500.4							
	OBS	00800	07.61	35.06	27.40		1494.7							
	OBS	00900	06.33	35.03	27.55		1491.3							
	OBS	00910	06.31	35.03	27.56		1491.4							
	OBS	00920	06.50	35.12	27.60		1492.4							
	OBS	01000	06.02	35.11	27.66		1491.8							
	OBS	01100	05.53											
	OBS	01200	05.12											
	OBS	01300	04.77											
	OBS	01400	04.58											
	OBS	01500	04.44											

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REFID 31 8162	YEAR 1970	BOTDP 04846	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0020	MONTH 04	SHIP AI	WET BULB 15.9	25 2 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 54 N	DAY 06	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 01 W	HOUR 15.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E40 020	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.1	OBS	00000	17.13	36.39	26.57		1515.6							
	OBS	00010	17.13	36.39	26.57		1515.8							
	OBS	00020	17.13	36.39	26.57		1515.9							
	OBS	00030	17.13	36.39	26.57		1516.1							
	OBS	00050	17.13	36.40	26.57		1516.4							
	OBS	00075	17.13	36.40	26.57		1516.9							
	OBS	00100	17.10	36.39	26.57		1517.2							
	OBS	00125	16.91	36.36	26.60		1517.0							
	OBS	00150	16.86	36.35	26.60		1517.2							
	OBS	00200	16.65	36.31	26.62		1517.4							
	OBS	00250	16.34	36.25	26.65		1517.2							
	OBS	00270	16.12	36.20	26.66		1516.8							
	OBS	00285	16.20	36.24	26.67		1517.3							
	OBS	00300	16.11	36.21	26.67		1517.2							
	OBS	00340	15.67	36.13	26.71		1516.4							
	OBS	00400	15.44	36.10	26.74		1516.7							
	OBS	00500	13.35	35.73	26.90		1511.1							
	OBS	00600	11.74	35.50	27.05		1507.0							
	OBS	00700	09.33	35.18	27.22		1499.7							
	OBS	00748	08.48	35.14	27.33		1497.2							
	OBS	00800	07.33	35.05	27.43		1493.6							
	OBS	00850	06.48	35.01	27.52		1491.0							
	OBS	00900	06.38	35.09	27.59		1491.6							
	OBS	00935	06.28	35.13	27.64		1491.8							
	OBS	00950	06.02	35.08	27.63		1490.9							
	OBS	01000	06.02	35.12	27.67		1491.8							
	OBS	01100	05.44	35.10	27.72		1491.1							
	OBS	01200	05.02	35.07	27.75		1491.0							
	OBS	01300	04.70	35.05	27.77		1491.4							
	OBS	01365	04.40	35.04	27.80		1491.2							
	OBS	01400	04.52	35.05	27.79		1492.3							
	OBS	01500	04.33	35.02	27.79		1493.2							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 dOTDP 05029 AIR TEMP 15.7 DIR HGT PER wIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0021 MONTH 04 SHIP AI WET BULB 13.1 31 2 3 wIND-SPD 10 TRACE DIR 0 5 SQUARE 2
LAT 34 57 N DAY 07 DATA USE 1 bAROMETR 1020.0 SEA wIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 57 W HOUR 00.0 AREA 05 CLCUD T/A CL/TR wEATHER X2 CRIG E40 021 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	16.92	36.37	26.60		1515.0							
	OBS	00010	16.92	36.37	26.60		1515.1							
	OBS	00020	16.85	36.37	26.62		1515.1							
	OBS	00030	16.82	36.36	26.62		1515.1							
	OBS	00050	16.81	36.36	26.62		1515.4							
	OBS	00075	16.80	36.36	26.62		1515.8							
	OBS	00100	16.80	36.36	26.62		1516.2							
	OBS	00125	16.80	36.36	26.62		1516.6							
	OBS	00150	16.71	36.34	26.63		1516.9							
	OBS	00180	16.70	36.34	26.63		1517.2							
	OBS	00200	16.46	36.26	26.63		1516.7							
	OBS	00225	16.41	36.28	26.65		1517.0							
	OBS	00250	16.12	36.22	26.68		1516.5							
	OBS	00300	15.62	36.13	26.72		1515.6							
	OBS	00330	15.76	36.20	26.74		1516.7							
	OBS	00400	14.65	35.97	26.81		1514.0							
	OBS	00450	14.34	35.93	26.85		1513.8							
	OBS	00500	13.41	35.66	26.85		1511.3							
	OBS	00600	11.73	35.49	27.04		1507.0							
	OBS	00700	09.62	35.22	27.21		1500.8							
	OBS	00750	08.41	35.05	27.27		1498.9							
	OBS	00800	07.42	35.05	27.40		1495.9							
	OBS	00880	06.34	35.06	27.58		1491.6							
	OBS	00900	06.41	35.10	27.60		1491.7							
	OBS	00909	06.26	35.10	27.62		1491.2							
	OBS	00940	06.28	35.13	27.64		1491.9							
	OBS	01000	05.94	35.12	27.68		1491.5							
	OBS	01100	05.31	35.08	27.72		1490.6							
	OBS	01200	04.97	35.08	27.76		1490.9							
	OBS	01300	04.72	35.07	27.78		1491.5							
	OBS	01400	04.38	35.03	27.79		1491.7							
	OBS	01500	04.14	35.02	27.81		1492.4							

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REFID 31 8162 YEAR 1970 dOTDP 04936 AIR TEMP 16.2 DIR HGT PER wIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0022 MONTH 04 SHIP AI WET BULB 13.7 31 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2
LAT 34 48 N DAY 07 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 06.1 AREA 05 CLCUD T/A CL/TR wEATHER X2 CRIG E40 022 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	16.95	36.38	26.60		1515.1							
	OBS	00010	16.94	36.38	26.60		1515.2							
	OBS	00020	16.93	36.38	26.61		1515.3							
	OBS	00030	16.93	36.38	26.61		1515.5							
	OBS	00050	16.90	36.37	26.61		1515.7							
	OBS	00075	16.84	36.37	26.62		1516.0							
	OBS	00100	16.83	36.36	26.62		1516.3							
	OBS	00125	16.81	36.36	26.62		1516.7							
	OBS	00150	16.80	36.36	26.62		1517.1							
	OBS	00200	16.79	36.37	26.63		1517.9							
	OBS	00250	16.74	36.36	26.64		1518.5							
	OBS	00278	16.70	36.36	26.65		1518.9							
	OBS	00300	16.33	36.27	26.66		1518.0							
	OBS	00338	16.23	36.26	26.68		1518.3							
	OBS	00400	15.17	36.00	26.72		1515.7							
	OBS	00480	14.31	35.89	26.83		1514.2							
	OBS	00500	13.74	35.79	26.87		1512.5							
	OBS	00600	11.91	35.50	27.01		1507.6							
	OBS	00700	09.73	35.23	27.20		1501.2							
	OBS	00800	07.11	35.03	27.45		1492.7							
	OBS	00845	06.41	35.01	27.53		1490.7							
	OBS	00880	06.41	35.08	27.58		1491.3							
	OBS	00900	06.26	35.08	27.60		1491.1							
	OBS	00909	06.09	35.05	27.60		1490.5							
	OBS	01000	05.90	35.12	27.68		1491.3							
	OBS	01100	05.42	35.10	27.73		1491.0							
	OBS	01200	04.96	35.06	27.75		1490.8							
	OBS	01300	04.72	35.05	27.77		1491.5							
	OBS	01400	04.48	35.04	27.79		1492.1							
	OBS	01500	04.22	35.03	27.81		1492.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 04297 AIR TEMP 15.8 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0023 MONTH 04 SHIP AI WET BULB 12.9 32 2 3 WIND-SPD 21 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1014.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 12.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 023 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00000	16.89	36.37	26.61		1514.9							
	OBS	00010	16.88	36.37	26.61		1515.0							
	OBS	00020	16.89	36.37	26.61		1515.2							
	OBS	00030	16.89	36.37	26.61		1515.4							
	OBS	00050	16.89	36.37	26.61		1515.7							
	OBS	00075	16.89	36.37	26.61		1516.1							
	OBS	00100	16.90	36.37	26.61		1516.5							
	OBS	00125	16.91	36.37	26.60		1517.0							
	OBS	00150	16.91	36.37	26.60		1517.4							
	OBS	00200	16.91	36.37	26.60		1518.2							
	OBS	00250	16.90	36.37	26.61		1519.0							
	OBS	00280	16.82	36.35	26.61		1519.2							
	OBS	00300	16.57	36.28	26.62		1518.7							
	OBS	00400	15.32	36.04	26.72		1516.2							
	OBS	00500	13.52	35.75	26.88		1511.7							
	OBS	00600	11.42	35.44	27.06		1505.7							
	OBS	00700	09.38	35.20	27.23		1499.9							
	OBS	00800	07.03	35.04	27.47		1492.4							
	OBS	00850	06.76	35.05	27.51		1492.2							
	OBS	00900	06.11	35.02	27.58		1490.4							
	OBS	01000	05.83	35.11	27.68		1491.0							
	OBS	01100	05.45	35.10	27.72		1491.2							
	OBS	01140	05.43	35.11	27.73		1491.8							
	OBS	01200	05.08	35.09	27.76		1491.3							
	OBS	01300	04.89	35.08	27.77		1492.2							
	OBS	01400	04.54	35.03	27.77		1492.4							
	OBS	01500	04.24	35.01	27.79		1492.8							

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REFID 31 8162 YEAR 1970 BOTDP 01829 AIR TEMP 19.0 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 04 SHIP AI WET BULB 16.3 17 3 2 WIND-SPD 22 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 07 DATA USE 1 BAROMETR 1012.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E40 024 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.00	36.37	26.58		1515.2							
	OBS	00010	16.99	36.38	26.59		1515.4							
	OBS	00020	16.98	36.38	26.59		1515.5							
	OBS	00030	16.96	36.39	26.61		1515.6							
	OBS	00050	16.96	36.39	26.61		1515.9							
	OBS	00075	16.96	36.39	26.61		1516.3							
	OBS	00100	16.94	36.39	26.61		1516.7							
	OBS	00125	16.93	36.39	26.61		1517.1							
	OBS	00150	16.93	36.39	26.61		1517.5							
	OBS	00200	16.92	36.38	26.61		1518.3							
	OBS	00250	16.83	36.36	26.62		1518.8							
	OBS	00300	16.74	36.35	26.63		1519.3							
	OBS	00400	15.85	36.17	26.70		1518.0							
	OBS	00500	14.33	35.91	26.84		1514.6							
	OBS	00600	12.24	35.58	27.01		1508.9							
	OBS	00700	10.24	35.30	27.16		1503.1							
	OBS	00800	07.75	35.05	27.37		1495.2							
	OBS	00850	06.90	35.00	27.45		1492.7							
	OBS	00900	06.74	35.03	27.50		1492.9							
	OBS	00965	05.81	35.01	27.61		1490.3							
	OBS	00980	06.03	35.11	27.66		1491.5							
	OBS	01000	05.95	35.16	27.71		1491.6							
	OBS	01100	05.36	35.09	27.72		1490.8							
	OBS	01200	04.97	35.06	27.75		1490.8							
	OBS	01300	04.68	35.04	27.77		1491.3							
	OBS	01400	04.58	35.05	27.78		1492.6							
	OBS	01500	04.53	35.04	27.78		1494.0							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 04572 AIR TEMP 17.0 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 04 SHIP AI WET BULB 13.9 15 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4
LAT 35 10 N DAY 08 DATA USE 1 BAROMETR 1012.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 15 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 025 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.3	OBS	00000	17.07	36.37	26.57		1515.4							
	OBS	00010	17.07	36.38	26.57		1515.6							
	OBS	00020	17.07	36.38	26.57		1515.8							
	OBS	00030	17.01	36.38	26.59		1515.7							
	OBS	00050	16.95	36.37	26.59		1515.9							
	OBS	00075	16.91	36.37	26.60		1516.2							
	OBS	00100	16.90	36.37	26.61		1516.5							
	OBS	00125	16.88	36.36	26.60		1516.9							
	OBS	00150	16.83	36.36	26.62		1517.1							
	OBS	00200	16.82	36.35	26.61		1517.9							
	OBS	00215	16.83	36.36	26.62		1518.2							
	OBS	00250	16.53	36.29	26.63		1517.8							
	OBS	00300	16.42	36.27	26.64		1518.3							
	OBS	00330	16.39	36.28	26.66		1518.7							
	OBS	00400	15.40	36.09	26.74		1516.5							
	OBS	00500	13.73	35.81	26.89		1512.5							
	OBS	00600	11.61	35.50	27.07		1506.6							
	OBS	00700	08.62	35.10	27.28		1496.9							
	OBS	00760	07.21	35.00	27.41		1492.4							
	OBS	00800	06.85	35.05	27.50		1491.7							
	OBS	00900	05.93	35.02	27.60		1489.7							
	OBS	00935	05.69	35.03	27.64		1489.3							
	OBS	00980	06.01	35.14	27.68		1491.5							
	OBS	01000	05.92	35.13	27.69		1491.4							
	OBS	01100	05.36	35.09	27.72		1490.8							
	OBS	01200	04.92	35.06	27.75		1490.6							
	OBS	01300	04.73	35.06	27.78		1491.5							
	OBS	01400	04.55	35.04	27.78		1492.4							
	OBS	01500	04.27	35.03	27.80		1492.9							

REFID 31 8162 YEAR 1970 BOTDP 04938 AIR TEMP 18.4 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0026 MONTH 04 SHIP AI WET BULB 15.6 15 2 4 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4
LAT 35 55 N DAY 08 DATA USE 1 BAROMETR 1010.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 40 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 026 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	16.89	36.36	26.60		1514.9							
	OBS	00010	16.88	36.36	26.60		1515.0							
	OBS	00020	16.87	36.36	26.61		1515.1							
	OBS	00030	16.86	36.36	26.61		1515.3							
	OBS	00050	16.84	36.37	26.62		1515.5							
	OBS	00075	16.81	36.36	26.62		1515.9							
	OBS	00100	16.75	36.36	26.63		1516.1							
	OBS	00125	16.73	36.36	26.64		1516.4							
	OBS	00150	16.71	36.35	26.64		1516.6							
	OBS	00160	16.70	36.35	26.64		1516.9							
	OBS	00200	16.13	36.23	26.68		1515.7							
	OBS	00250	15.73	36.16	26.72		1515.2							
	OBS	00280	15.74	36.19	26.74		1515.8							
	OBS	00300	15.54	36.14	26.75		1515.4							
	OBS	00400	14.02	35.84	26.85		1511.8							
	OBS	00500	12.73	35.65	26.97		1509.0							
	OBS	00600	10.64	35.35	27.13		1503.0							
	OBS	00700	08.56	35.15	27.33		1496.8							
	OBS	00770	06.76	35.01	27.48		1490.8							
	OBS	00800	06.65	35.06	27.53		1490.9							
	OBS	00900	05.54	35.01	27.64		1488.1							
	OBS	00980	05.06	35.02	27.71		1487.5							
	OBS	01000	05.11	35.04	27.72		1488.0							
	OBS	01100	04.75	35.02	27.74		1488.2							
	OBS	01120	04.54	34.99	27.74		1487.6							
	OBS	01200	04.48	35.01	27.76		1489.7							
	OBS	01300	04.40	35.02	27.78		1490.1							
	OBS	01400	04.44	35.05	27.80		1492.0							
	OBS	01500	04.36	35.06	27.82		1493.3							

TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTDP 04297	AIR TEMP 19.1	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0027	MONTH 04	SHIP AI	WET BULB 15.7	23 2 3	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 35 05 N	DAY 08	DATA USE 1	BAROMETR 1008.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 52 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E40 027	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	16.92	36.35	26.59		1514.9							
	OBS	00010	16.92	36.35	26.59		1515.1							
	OBS	00020	16.92	36.35	26.59		1515.3							
	OBS	00030	16.92	36.35	26.59		1515.4							
	OBS	00050	16.91	36.37	26.60		1515.8							
	OBS	00075	16.91	36.37	26.60		1516.2							
	OBS	00100	16.91	36.37	26.60		1516.6							
	OBS	00125	16.91	36.37	26.60		1517.0							
	OBS	00150	16.91	36.37	26.60		1517.4							
	OBS	00170	16.91	36.37	26.60		1517.7							
	OBS	00200	16.64	36.32	26.63		1517.3							
	OBS	00250	16.44	36.29	26.65		1517.5							
	OBS	00300	15.94	36.19	26.69		1516.7							
	OBS	00400	14.66	35.97	26.81		1514.1							
	OBS	00500	12.74	35.64	26.96		1509.0							
	OBS	00580	11.40	35.45	27.07		1505.5							
	OBS	00585	10.50	35.33	27.14		1502.2							
	OBS	00600	10.37	35.33	27.16		1502.0							
	OBS	00700	08.45	35.11	27.31		1496.3							
	OBS	00770	06.77	35.02	27.49		1490.8							
	OBS	00800	06.51	34.99	27.50		1490.3							
	OBS	00850	06.31	35.08	27.60		1490.4							
	OBS	00900	05.65	35.03	27.64		1488.6							
	OBS	00970	05.16	35.03	27.70		1487.7							
	OBS	01000	05.11	35.03	27.71		1488.0							
	OBS	01100	04.86	35.04	27.74		1488.7							
	OBS	01200	04.56	35.02	27.76		1489.1							
	OBS	01300	04.57	35.06	27.79		1490.9							
	OBS	01330	04.56	35.06	27.79		1491.3							
	OBS	01350	04.45	35.05	27.80		1491.2							
	OBS	01400	04.38	35.05	27.81		1491.7							
	OBS	01500	04.22	35.03	27.81		1492.7							

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REFID 31 8162	YEAR 1970	BOTDP 04389	AIR TEMP 17.3	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0028	MONTH 04	SHIP AI	WET BULB 14.7	26 4 2	WIND-SPD 22	TRACE DIR D	5 SQUARE 2
LAT 34 49 N	DAY 10	DATA USE 1	BAROMETR 1012.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 14 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E40 028	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	16.91	36.38	26.61		1514.9							
	OBS	00010	16.91	36.39	26.62		1515.1							
	OBS	00020	16.91	36.39	26.62		1515.3							
	OBS	00030	16.91	36.39	26.62		1515.5							
	OBS	00050	16.91	36.39	26.62		1515.8							
	OBS	00075	16.91	36.39	26.62		1516.2							
	OBS	00100	16.92	36.39	26.62		1516.6							
	OBS	00125	16.92	36.39	26.62		1517.0							
	OBS	00150	16.92	36.39	26.62		1517.4							
	OBS	00200	16.95	36.39	26.61		1518.4							
	OBS	00250	16.95	36.40	26.62		1519.2							
	OBS	00300	16.94	36.40	26.62		1520.0							
	OBS	00310	16.94	36.40	26.62		1520.1							
	OBS	00360	16.52	36.28	26.63		1519.6							
	OBS	00400	15.81	36.15	26.69		1517.9							
	OBS	00500	13.93	35.81	26.85		1513.2							
	OBS	00600	12.43	35.58	26.97		1509.5							
	OBS	00615	12.08	35.55	27.02		1508.5							
	OBS	00630	12.13	35.58	27.03		1509.0							
	OBS	00700	10.23	35.30	27.17		1503.1							
	OBS	00800	08.24	35.10	27.34		1497.1							
	OBS	00900	06.62	35.05	27.53		1492.5							
	OBS	00960	06.26	35.09	27.61		1492.1							
	OBS	01000	06.25	35.13	27.64		1492.8							
	OBS	01100	05.78	35.14	27.71		1492.6							
	OBS	01200	05.35	35.12	27.75		1492.5							
	OBS	01300	04.96	35.10	27.78		1492.5							
	OBS	01400	04.60	35.07	27.80		1492.7							
	OBS	01500	04.35	35.06	27.82		1493.3							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BDTDP 04936 AIR TEMP 18.4 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0029 MONTH 04 SHIP AI WET BULB 15.6 25 4 2 WIND-SPD 21 TRACE DIR D 5 SQUARE 2
LAT 34 47 N DAY 10 DATA USE 1 BAROMETR 1012.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 14 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 029 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
17.8	CBS	00000	16.94	36.36	26.59		1515.0							
	CBS	00010	16.91	36.36	26.60		1515.1							
	CBS	00020	16.92	36.36	26.59		1515.3							
	CBS	00030	16.88	36.36	26.60		1515.3							
	CBS	00050	16.83	36.37	26.62		1515.5							
	CBS	00075	16.83	36.37	26.62		1515.9							
	CBS	00100	16.83	36.37	26.62		1516.3							
	CBS	00125	16.83	36.37	26.62		1516.7							
	CBS	00150	16.84	36.37	26.62		1517.2							
	CBS	00190	16.84	36.38	26.63		1517.9							
	CBS	00200	16.80	36.37	26.63		1517.9							
	CBS	00250	16.52	36.30	26.64		1517.8							
	CBS	00275	16.14	36.18	26.64		1516.9							
	CBS	00300	15.91	36.16	26.68		1516.6							
	CBS	00400	14.96	35.97	26.75		1515.0							
	CBS	00500	13.51	35.76	26.89		1511.7							
	CBS	00600	11.67	35.50	27.02		1507.5							
	CBS	00700	09.72	35.24	27.21		1501.2							
	CBS	00800	07.63	35.07	27.40		1494.8							
	CBS	00900	06.42	35.08	27.58		1491.7							
	CBS	00920	06.61	35.16	27.62		1492.9							
	CBS	01000	06.03	35.15	27.69		1491.9							
	CBS	01100	05.53	35.13	27.74		1491.5							
	CBS	01200	05.09	35.12	27.78		1491.4							
	CBS	01300	04.85	35.12	27.81		1492.1							
	CBS	01400	04.57	35.09	27.82		1492.6							
	CBS	01500	04.41	35.09	27.83		1493.6							

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REFID 31 8162 YEAR 1970 BDTDP 04983 AIR TEMP 17.5 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0030 MONTH 04 SHIP AI WET BULB 14.7 28 3 3 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 34 42 N DAY 11 DATA USE 1 BAROMETR 1013.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 07 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 030 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
00.0	CBS	00000	16.89	36.37	26.61		1514.9							
	CBS	00010	16.89	36.37	26.61		1515.0							
	CBS	00020	16.89	36.37	26.61		1515.2							
	CBS	00030	16.88	36.37	26.61		1515.3							
	CBS	00050	16.80	36.37	26.63		1515.4							
	CBS	00075	16.80	36.38	26.64		1515.8							
	CBS	00100	16.79	36.38	26.64		1516.2							
	CBS	00125	16.79	36.38	26.64		1516.6							
	CBS	00150	16.78	36.38	26.64		1517.0							
	CBS	00200	16.72	36.37	26.65		1517.6							
	CBS	00250	16.59	36.34	26.66		1518.0							
	CBS	00300	16.18	36.25	26.68		1517.5							
	CBS	00400	15.02	36.04	26.79		1515.3							
	CBS	00500	13.79	35.84	26.90		1512.7							
	CBS	00548	12.85	35.67	26.96		1510.2							
	CBS	00600	11.65	35.51	27.07		1506.8							
	CBS	00700	09.11	35.20	27.28		1498.9							
	CBS	00800	07.30	35.09	27.47		1493.5							
	CBS	00830	06.74	35.07	27.53		1491.6							
	CBS	00900	06.26	35.14	27.65		1491.1							
	CBS	01000	05.92	35.17	27.72		1491.5							
	CBS	01020	05.93	35.20	27.74		1491.9							
	CBS	01050	05.45	35.14	27.75		1490.4							
	CBS	01100	05.30	35.14	27.77		1490.6							
	CBS	01200	04.91	35.11	27.79		1490.6							
	CBS	01300	04.45	35.08	27.82		1490.4							
	CBS	01400	04.31	35.07	27.83		1491.5							
	CBS	01500	04.11	35.07	27.85		1492.3							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTDP 04938	AIR TEMP 17.5	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0031	MONTH 04	SHIP AI	WET BULB 14.4	28 3 3	WIND-SPD 22	TRACE DIR D	5 SQUARE 2
LAT 34 52 N	DAY 11	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 02 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E40 031	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	16.95	36.38	26.60		1515.1							
	OBS	00010	16.95	36.38	26.60		1515.2							
	OBS	00020	16.95	36.39	26.61		1515.4							
	OBS	00030	16.95	36.39	26.61		1515.6							
	OBS	00050	16.91	36.39	26.62		1515.8							
	OBS	00075	16.90	36.39	26.62		1516.2							
	OBS	00100	16.90	36.39	26.62		1516.6							
	OBS	00125	16.90	36.39	26.62		1517.0							
	OBS	00150	16.81	36.38	26.64		1517.1							
	OBS	00200	16.66	36.34	26.64		1517.4							
	OBS	00250	16.38	36.29	26.67		1517.3							
	OBS	00300	15.88	36.20	26.72		1516.5							
	OBS	00400	14.83	35.98	26.78		1514.6							
	OBS	00500	13.17	35.74	26.95		1510.6							
	OBS	00600	11.06	35.43	27.12		1504.6							
	OBS	00700	08.89	35.16	27.28		1498.0							
	OBS	00800	06.74	35.08	27.54		1491.3							
	OBS	00840	06.39	35.11	27.61		1490.6							
	OBS	00880	06.34	35.13	27.63		1491.1							
	OBS	00900	06.24	35.15	27.66		1491.1							
	OBS	00930	06.06	35.16	27.69		1491.0							
	OBS	00950	05.53	35.07	27.69		1489.0							
	OBS	00990	05.46	35.12	27.74		1489.4							
	OBS	01000	05.65	35.16	27.74		1490.4							
	OBS	01025	05.66	35.16	27.74		1490.8							
	OBS	01100	05.30	35.13	27.76		1490.6							
	OBS	01130	05.01	35.11	27.78		1489.9							
	OBS	01200	04.86	35.10	27.79		1490.4							
	OBS	01300	04.61	35.10	27.82		1491.1							
	OBS	01400	04.44	35.10	27.84		1492.0							
	OBS	01500	04.23	35.08	27.85		1492.8							

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REFID 31 8162	YEAR 1970	BOTDP 04572	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0032	MONTH 04	SHIP AI	WET BULB 15.4	25 2 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 11	DATA USE 1	BAROMETR 1009.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 55 W	HOUR 12.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E40 032	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	16.80	36.34	26.61		1514.6							
	OBS	00010	16.80	36.35	26.61		1514.7							
	OBS	00020	16.80	36.36	26.62		1514.9							
	OBS	00030	16.80	36.36	26.62		1515.1							
	OBS	00050	16.80	36.37	26.63		1515.4							
	OBS	00075	16.80	36.37	26.63		1515.8							
	OBS	00100	16.80	36.37	26.63		1516.2							
	OBS	00125	16.80	36.37	26.63		1516.7							
	OBS	00150	16.78	36.37	26.64		1517.0							
	OBS	00160	16.78	36.36	26.63		1517.2							
	OBS	00200	16.59	36.32	26.64		1517.2							
	OBS	00250	16.41	36.28	26.65		1517.4							
	OBS	00290	16.08	36.17	26.65		1516.9							
	OBS	00300	15.78	36.16	26.71		1516.2							
	OBS	00360	15.48	36.10	26.73		1516.2							
	OBS	00400	14.87	36.00	26.79		1514.8							
	OBS	00500	13.50	35.79	26.92		1511.7							
	OBS	00600	11.49	35.43	27.04		1506.1							
	OBS	00700	09.11	35.17	27.25		1498.8							
	OBS	00740	08.79	35.22	27.34		1498.4							
	OBS	00800	07.00	35.03	27.46		1492.3							
	OBS	00830	06.39	34.99	27.51		1490.3							
	OBS	00900	06.20	35.07	27.60		1490.8							
	OBS	01000	05.21	35.05	27.71		1488.5							
	OBS	01050	05.06	35.06	27.74		1488.7							
	OBS	01080	05.30	35.14	27.77		1490.3							
	OBS	01100	05.22	35.12	27.77		1490.3							
	OBS	01200	04.83	35.09	27.79		1490.3							
	OBS	01300	04.72	35.09	27.80		1491.5							
	OBS	01400	04.42	35.08	27.83		1491.9							
	OBS	01500	04.22	35.08	27.85		1492.8							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTDP 04206	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0033	MONTH 04	SHIP AI	WET BULB 15.7	25 6 2	WIND-SPD 30	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 12	DATA USE 1	BAROMETR 1006.1	SEA	WIND-FCR	DURATION 00.4	2 SQUARE 46
LONG 047 49 W	HOUR 09.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E40 033	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.0	OBS	00000	16.87	36.36	26.61		1514.8							
	OBS	00010	16.87	36.36	26.61		1515.0							
	OBS	00020	16.87	36.36	26.61		1515.1							
	OBS	00030	16.87	36.36	26.61		1515.3							
	OBS	00050	16.80	36.36	26.62		1515.4							
	OBS	00075	16.75	36.36	26.63		1515.7							
	OBS	00100	16.75	36.36	26.63		1516.1							
	OBS	00125	16.75	36.36	26.63		1516.3							
	OBS	00150	16.75	36.36	26.63		1516.9							
	OBS	00170	16.71	36.36	26.64		1517.1							
	OBS	00200	16.56	36.32	26.65		1517.1							
	OBS	00250	16.40	36.29	26.66		1517.4							
	OBS	00290	16.18	36.26	26.69		1517.4							
	OBS	00300	15.90	36.18	26.70		1516.6							
	OBS	00400	14.52	35.97	26.84		1513.6							
	OBS	00500	12.85	35.70	26.98		1509.4							
	OBS	00560	11.63	35.50	27.07		1506.0							
	OBS	00600	11.27	35.46	27.10		1505.4							
	OBS	00700	09.35	35.25	27.28		1499.8							
	OBS	00720	08.81	35.19	27.32		1498.1							
	OBS	00800	07.01	35.08	27.50		1492.4							
	OBS	00850	06.39	35.07	27.58		1490.7							
	OBS	00880	06.38	35.08	27.59		1491.2							
	OBS	00900	06.16	35.08	27.62		1490.7							
	OBS	01000	05.21	35.04	27.70		1488.4							
	OBS	01100	04.82	35.05	27.76		1488.5							
	OBS	01200	04.59	35.05	27.78		1489.3							
	OBS	01300	04.48	35.06	27.80		1490.5							
	OBS	01330	04.45	35.08	27.82		1490.9							
	OBS	01345	04.65	35.11	27.82		1492.0							
	OBS	01370	04.52	35.09	27.82		1491.9							
	OBS	01400	04.49	35.09	27.83		1492.2							
	OBS	01500	04.30	35.09	27.85		1493.1							

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REFID 31 8162	YEAR 1970	BOTDP 02103	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0034	MONTH 04	SHIP AI	WET BULB 14.7	26 4 2	WIND-SPD 25	TRACE DIR 0	5 SQUARE 4
LAT 35 08 N	DAY 12	DATA USE 1	BAROMETR 1005.8	SEA	WIND-FCR	DURATION 00.5	2 SQUARE 46
LONG 047 46 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E40 034	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	16.82	36.37	26.63		1514.7							
	OBS	00010	16.82	36.37	26.63		1514.8							
	OBS	00020	16.82	36.37	26.63		1515.0							
	OBS	00030	16.82	36.37	26.63		1515.2							
	OBS	00050	16.82	36.37	26.63		1515.5							
	OBS	00075	16.82	36.37	26.63		1515.9							
	OBS	00100	16.82	36.37	26.63		1516.3							
	OBS	00125	16.82	36.38	26.63		1516.7							
	OBS	00150	16.82	36.38	26.63		1517.1							
	OBS	00190	16.81	36.38	26.64		1517.8							
	OBS	00200	16.74	36.35	26.63		1517.7							
	OBS	00250	16.46	36.29	26.65		1517.6							
	OBS	00300	16.19	36.24	26.67		1517.5							
	OBS	00340	15.90	36.19	26.70		1517.2							
	OBS	00400	14.70	35.95	26.79		1514.2							
	OBS	00500	13.25	35.73	26.92		1510.8							
	OBS	00600	10.99	35.40	27.11		1504.3							
	OBS	00700	08.40	35.12	27.33		1496.1							
	OBS	00720	07.72	35.12	27.43		1493.8							
	OBS	00750	07.72	35.14	27.45		1494.4							
	OBS	00800	06.68	35.10	27.56		1491.1							
	OBS	00900	05.82	35.07	27.65		1489.3							
	OBS	00945	05.25	35.00	27.67		1487.6							
	OBS	01000	05.03	35.03	27.72		1487.7							
	OBS	01100	04.83	35.05	27.76		1488.6							
	OBS	01200	04.52	35.03	27.78		1488.9							
	OBS	01300	04.53	35.06	27.80		1490.7							
	OBS	01340	04.67	35.11	27.82		1492.0							
	OBS	01400	04.51	35.08	27.82		1492.3							
	OBS	01500	04.40	35.08	27.83		1493.5							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 03475 AIR TEMP 18.4 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0035 MONTH 04 SHIP AI WET BULB 16.3 26 4 4 WIND-SPD 24 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 13 DATA USE 1 BAROMETR 1000.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 02 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 035 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	16.88	36.38	26.62		1514.9							
	OBS	00010	16.88	36.38	26.62		1515.0							
	OBS	00020	16.88	36.38	26.62		1515.2							
	OBS	00030	16.88	36.39	26.63		1515.4							
	OBS	00050	16.88	36.39	26.63		1515.7							
	OBS	00075	16.88	36.39	26.63		1516.1							
	OBS	00100	16.81	36.38	26.64		1516.3							
	OBS	00125	16.80	36.38	26.64		1516.7							
	OBS	00150	16.77	36.38	26.65		1517.0							
	OBS	00200	16.75	36.38	26.65		1517.7							
	OBS	00250	16.62	36.34	26.65		1518.1							
	OBS	00300	16.30	36.24	26.65		1517.9							
	OBS	00400	15.42	36.12	26.76		1516.6							
	OBS	00500	13.71	35.80	26.88		1512.4							
	OBS	00600	12.01	35.55	27.03		1508.0							
	OBS	00700	09.40	35.23	27.25		1500.0							
	OBS	00800	07.48	35.09	27.44		1494.2							
	OBS	00900	06.16	35.08	27.62		1490.7							
	OBS	00950	05.62	35.07	27.68		1489.3							
	OBS	01000	05.61	35.11	27.71		1490.2							
	OBS	01050	05.74	35.16	27.73		1491.6							
	OBS	01100	05.39	35.13	27.75		1491.0							
	OBS	01200	04.98	35.10	27.78		1490.9							
	OBS	01300	04.71	35.09	27.80		1491.5							
	OBS	01400	04.50	35.09	27.82		1492.3							
	OBS	01500	04.24	35.06	27.83		1492.8							

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REFID 31 8162 YEAR 1970 BOTDP 04938 AIR TEMP 18.5 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0036 MONTH 04 SHIP AI WET BULB 15.4 28 4 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 51 N DAY 14 DATA USE 1 BAROMETR 1010.5 SEA WIND-FOR DURATION 00.9 2 SQUARE 48
LONG 048 12 W HOUR 19.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 036 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.6	OBS	00000	16.83	36.38	26.63		1514.7							
	OBS	00010	16.83	36.38	26.63		1514.9							
	OBS	00020	16.85	36.38	26.63		1515.1							
	OBS	00030	16.81	36.38	26.64		1515.1							
	OBS	00050	16.81	36.38	26.64		1515.5							
	OBS	00075	16.80	36.38	26.64		1515.8							
	OBS	00100	16.80	36.38	26.64		1516.3							
	OBS	00125	16.80	36.39	26.65		1516.7							
	OBS	00150	16.80	36.38	26.64		1517.1							
	OBS	00200	16.81	36.38	26.64		1517.9							
	OBS	00220	16.49	36.29	26.64		1517.2							
	OBS	00250	16.41	36.29	26.66		1517.4							
	OBS	00300	16.32	36.27	26.67		1518.0							
	OBS	00400	15.03	36.06	26.80		1515.3							
	OBS	00500	13.53	35.80	26.92		1511.8							
	OBS	00600	11.53	35.51	27.09		1506.3							
	OBS	00700	09.89	35.29	27.22		1501.9							
	OBS	00800	07.40	35.06	27.43		1493.9							
	OBS	00900	06.21	35.06	27.59		1490.8							
	OBS	00940	05.93	35.07	27.64		1490.4							
	OBS	00950	06.15	35.15	27.67		1491.6							
	OBS	00970	05.85	35.09	27.66		1490.6							
	OBS	01000	05.87	35.13	27.69		1491.2							
	OBS	01100	05.44	35.13	27.75		1491.2							
	OBS	01200	05.00	35.11	27.78		1491.0							
	OBS	01300	04.73	35.09	27.80		1491.6							
	OBS	01400	04.48	35.08	27.82		1492.2							
	OBS	01500	04.26	35.07	27.84		1492.9							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04755 AIR TEMP 15.7 DIR HOT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0037 MONTH 04 SHIP AI WET BULB 13.4 28 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 46 N DAY 15 DATA USE 1 BAROMETR 1013.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 09 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 037 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	16.80	36.36	26.62		1514.6							
	OBS	00010	16.80	36.36	26.62		1514.6							
	OBS	00020	16.80	36.36	26.62		1514.9							
	OBS	00030	16.80	36.37	26.63		1515.1							
	OBS	00050	16.80	36.37	26.63		1515.4							
	OBS	00075	16.80	36.38	26.64		1515.8							
	OBS	00100	16.80	36.38	26.64		1516.3							
	OBS	00125	16.80	36.38	26.64		1516.7							
	OBS	00150	16.80	36.38	26.64		1517.1							
	OBS	00200	16.80	36.37	26.63		1517.9							
	OBS	00225	16.71	36.36	26.64		1518.0							
	OBS	00250	16.53	36.31	26.65		1517.8							
	OBS	00275	16.42	36.28	26.65		1517.9							
	OBS	00300	16.30	36.26	26.66		1517.9							
	OBS	00375	15.44	36.12	26.75		1516.3							
	OBS	00400	14.69	35.94	26.78		1514.1							
	OBS	00450	14.09	35.88	26.87		1512.9							
	OBS	00500	13.51	35.76	26.89		1511.7							
	OBS	00600	11.61	35.49	27.06		1508.6							
	OBS	00700	09.60	35.26	27.24		1506.8							
	OBS	00800	07.33	35.07	27.45		1505.6							
	OBS	00870	06.22	35.05	27.58		1490.4							
	OBS	00900	06.32	35.13	27.63		1491.4							
	OBS	00920	06.06	35.09	27.64		1490.6							
	OBS	00930	06.16	35.15	27.67		1491.3							
	OBS	01000	05.81	35.14	27.71		1491.0							
	OBS	01100	05.33	35.11	27.74		1490.7							
	OBS	01200	04.97	35.10	27.78		1490.9							
	OBS	01300	04.57	35.09	27.82		1490.9							
	OBS	01400	04.49	35.08	27.82		1492.2							
	OBS	01500	04.20	35.06	27.83		1492.7							

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REFID 31 8162 YEAR 1970 BOTOP 05840 AIR TEMP 17.3 DIR HOT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206
CONSEC 0038 MONTH 04 SHIP AI WET BULB 14.5 25 4 3 WIND-SPD 17 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1013.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 09 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 038 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	16.82	36.38	26.63		1514.7							
	OBS	00010	16.82	36.38	26.63		1514.6							
	OBS	00020	16.82	36.39	26.64		1515.0							
	OBS	00030	16.82	36.39	26.64		1515.2							
	OBS	00050	16.82	36.39	26.64		1515.5							
	OBS	00075	16.83	36.39	26.64		1516.0							
	OBS	00100	16.83	36.39	26.64		1516.4							
	OBS	00125	16.84	36.40	26.64		1516.8							
	OBS	00150	16.85	36.40	26.64		1517.3							
	OBS	00200	16.86	36.39	26.63		1518.1							
	OBS	00250	16.86	36.40	26.64		1518.9							
	OBS	00300	16.85	36.40	26.64		1519.7							
	OBS	00340	16.79	36.38	26.64		1520.2							
	OBS	00350	16.59	36.36	26.67		1519.7							
	OBS	00400	15.76	36.16	26.71		1517.8							
	OBS	00440	15.61	36.10	26.75		1517.9							
	OBS	00460	15.29	36.11	26.78		1517.2							
	OBS	00500	14.43	35.96	26.85		1515.0							
	OBS	00565	12.88	35.68	26.96		1510.0							
	OBS	00600	12.72	35.69	27.00		1510.5							
	OBS	00700	10.22	35.34	27.20		1503.1							
	OBS	00800	08.33	35.16	27.37		1497.6							
	OBS	00900	06.41	35.04	27.55		1491.6							
	OBS	01000	05.59	35.05	27.66		1490.0							
	OBS	01040	05.49	35.05	27.68		1490.3							
	OBS	01060	05.75	35.14	27.72		1491.8							
	OBS	01100	05.63	35.14	27.73		1491.9							
	OBS	01200	05.21	35.11	27.76		1491.7							
	OBS	01300	04.95	35.11	27.79		1492.5							
	OBS	01400	04.64	35.08	27.80		1492.8							
	OBS	01500	04.23	35.04	27.81		1492.8							

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TABLE XIX.—Continued

REFID 31 8102 YEAR 1970 BOTDP 04480 AIR TEMP 15.7 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206
CONSEC 0039 MONTH 04 SHIP AI WET BULB 13.4 31 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 36 N DAY 16 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 50 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E40 039 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.3	OBS	00000	16.58	36.34	26.56		1515.1							
	OBS	00010	16.89	36.34	26.59		1515.0							
	OBS	00020	16.88	36.36	26.60		1515.2							
	OBS	00030	16.88	36.36	26.60		1515.3							
	OBS	00050	16.87	36.37	26.61		1515.6							
	OBS	00075	16.86	36.37	26.62		1516.0							
	OBS	00100	16.86	36.38	26.62		1516.4							
	OBS	00125	16.86	36.38	26.62		1516.8							
	OBS	00150	16.86	36.38	26.62		1517.3							
	OBS	00170	16.87	36.38	26.62		1517.6							
	OBS	00200	16.76	36.36	26.63		1517.8							
	OBS	00205	16.67	36.32	26.62		1517.5							
	OBS	00250	16.68	36.35	26.64		1518.3							
	OBS	00300	16.24	36.26	26.68		1517.7							
	OBS	00400	15.09	36.04	26.77		1515.5							
	OBS	00500	13.38	35.77	26.93		1511.3							
	OBS	00600	11.40	35.47	27.09		1505.8							
	OBS	00700	08.82	35.19	27.32		1497.8							
	OBS	00800	06.82	35.03	27.49		1491.6							
	OBS	00900	05.63	35.01	27.63		1488.4							
	OBS	01000	05.12	35.03	27.71		1488.1							
	OBS	01040	05.02	35.05	27.73		1488.3							
	OBS	01070	05.26	35.11	27.75		1489.9							
	OBS	01100	05.22	35.11	27.76		1490.2							
	OBS	01200	04.90	35.10	27.79		1490.6							
	OBS	01300	04.62	35.07	27.80		1491.1							
	OBS	01400	04.30	35.05	27.82		1491.4							
	OBS	01500	04.14	35.04	27.82		1492.4							

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REFID 31 8102 YEAR 1970 BOTDP 04938 AIR TEMP 15.1 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0040 MONTH 04 SHIP AI WET BULB 12.8 30 1 2 WIND-SPD 03 TRACE DIR D 5 SQUARE 2
LAT 34 45 N DAY 16 DATA USE 1 BAROMETR 1021.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 56 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 040 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	16.69	36.33	26.63		1514.2							
	OBS	00010	16.69	36.33	26.63		1514.4							
	OBS	00020	16.68	36.34	26.64		1514.5							
	OBS	00030	16.65	36.34	26.64		1514.6							
	OBS	00050	16.65	36.34	26.64		1514.9							
	OBS	00075	16.65	36.35	26.65		1515.4							
	OBS	00100	16.64	36.35	26.65		1515.7							
	OBS	00125	16.65	36.35	26.65		1516.2							
	OBS	00150	16.67	36.35	26.65		1516.7							
	OBS	00200	16.63	36.34	26.65		1517.3							
	OBS	00250	16.23	36.26	26.68		1516.9							
	OBS	00300	15.93	36.20	26.70		1516.7							
	OBS	00400	14.65	35.96	26.81		1514.0							
	OBS	00420	14.52	35.97	26.84		1513.9							
	OBS	00500	13.29	35.75	26.93		1511.0							
	OBS	00600	11.06	35.42	27.11		1504.6							
	OBS	00700	09.43	35.24	27.25		1500.1							
	OBS	00800	06.90	35.01	27.46		1491.8							
	OBS	00840	06.50	35.06	27.56		1491.0							
	OBS	00870	06.12	35.03	27.58		1489.9							
	OBS	00900	06.16	35.09	27.62		1490.7							
	OBS	00950	06.14	35.14	27.67		1491.5							
	OBS	01000	05.75	35.13	27.71		1490.8							
	OBS	01080	05.48	35.00	27.64 *		1490.8							
	OBS	01090	05.21	35.07	27.73		1490.0							
	OBS	01100	05.34	35.10	27.74		1490.7							
	OBS	01200	04.90	35.08	27.77		1490.6							
	OBS	01300	04.58	35.05	27.78		1490.9							
	OBS	01400	04.46	35.04	27.79		1492.1							
	OBS	01500	04.29	35.05	27.82		1493.0							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 04755 AIR TEMP 17.7 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0041 MONTH 04 SHIP AI WET BULB 14.8 30 1 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 16 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 041 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	16.81	36.35	26.61		1514.6							
	OBS	00010	16.80	36.36	26.62		1514.8							
	OBS	00020	16.79	36.36	26.62		1514.9							
	OBS	00030	16.78	36.36	26.63		1515.0							
	OBS	00050	16.77	36.36	26.63		1515.3							
	OBS	00075	16.75	36.37	26.64		1515.7							
	OBS	00100	16.75	36.37	26.64		1516.1							
	OBS	00125	16.74	36.37	26.64		1516.5							
	OBS	00150	16.74	36.37	26.64		1516.9							
	OBS	00175	16.72	36.36	26.64		1517.2							
	OBS	00200	16.71	36.36	26.64		1517.6							
	OBS	00250	16.70	36.36	26.65		1518.4							
	OBS	00300	16.68	36.36	26.65		1519.2							
	OBS	00320	16.65	36.35	26.65		1519.4							
	OBS	00400	15.55	36.11	26.72		1517.0							
	OBS	00500	14.06	35.87	26.86		1513.7							
	OBS	00600	12.41	35.52	26.93		1509.4							
	OBS	00700	09.67	35.21	27.19		1501.0							
	OBS	00800	07.82	35.10	27.40		1495.5							
	OBS	00880	06.44	35.02	27.53		1491.4							
	OBS	00900	06.42	35.05	27.56		1491.7							
	OBS	01000	05.53	35.03	27.66		1489.7							
	OBS	01020	05.38	35.03	27.67		1489.5							
	OBS	01040	05.75	35.13	27.71		1491.4							
	OBS	01100	05.43	35.10	27.72		1491.1							
	OBS	01200	05.04	35.09	27.76		1491.2							
	OBS	01300	04.75	35.08	27.79		1491.6							
	OBS	01400	04.51	35.06	27.80		1492.3							
	OBS	01500	04.34	35.05	27.81		1493.2							

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REFID 31 8162 YEAR 1970 BOTDP 04846 AIR TEMP 19.6 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0042 MONTH 04 SHIP AI WET BULB 16.7 32 1 3 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 16 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 042 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	17.18	36.33	26.51		1515.7							
	OBS	00010	16.88	36.34	26.59		1515.0							
	OBS	00020	16.86	36.35	26.60		1515.1							
	OBS	00030	16.81	36.35	26.61		1515.1							
	OBS	00050	16.76	36.36	26.63		1515.3							
	OBS	00075	16.76	36.36	26.63		1515.7							
	OBS	00100	16.76	36.36	26.63		1516.1							
	OBS	00125	16.76	36.36	26.63		1516.5							
	OBS	00150	16.76	36.37	26.64		1516.9							
	OBS	00175	16.77	36.37	26.64		1517.4							
	OBS	00200	16.77	36.37	26.64		1517.8							
	OBS	00250	16.77	36.37	26.64		1518.6							
	OBS	00300	16.74	36.36	26.64		1519.3							
	OBS	00370	16.43	36.30	26.66		1519.5							
	OBS	00400	15.81	36.15	26.69		1517.9							
	OBS	00500	14.10	35.87	26.86		1513.8							
	OBS	00600	12.33	35.59	27.00		1509.2							
	OBS	00700	09.73	35.22	27.19		1501.2							
	OBS	00800	07.91	35.09	27.38		1495.9							
	OBS	00900	06.34	35.03	27.55		1491.3							
	OBS	00930	06.34	35.09	27.60		1491.9							
	OBS	01000	05.71	35.05	27.65		1490.5							
	OBS	01030	05.85	35.15	27.71		1491.7							
	OBS	01100	05.57	35.13	27.73		1491.7							
	OBS	01200	05.12	35.10	27.76		1491.5							
	OBS	01300	04.65	35.07	27.79		1491.2							
	OBS	01400	04.44	35.06	27.81		1492.0							
	OBS	01500	04.24	35.06	27.83		1492.8							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 04796 AIR TEMP 17.4 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0043 MONTH 04 SHIP AI WET BULB 14.6 32 1 2 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 16 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 15 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 043 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	16.97	36.37	26.59		1515.1							
	OBS	00010	16.97	36.37	26.59		1515.3							
	OBS	00020	16.96	36.37	26.59		1515.4							
	OBS	00030	16.93	36.37	26.60		1515.5							
	OBS	00050	16.87	36.37	26.61		1515.6							
	OBS	00075	16.86	36.38	26.62		1516.0							
	OBS	00100	16.87	36.38	26.62		1516.5							
	OBS	00125	16.86	36.38	26.62		1516.8							
	OBS	00150	16.87	36.38	26.62		1517.3							
	OBS	00200	16.89	36.39	26.62		1518.2							
	OBS	00250	16.89	36.39	26.62		1519.0							
	OBS	00300	16.89	36.39	26.62		1519.8							
	OBS	00375	16.90	36.39	26.62		1521.1							
	OBS	00400	16.58	36.28	26.61		1520.4							
	OBS	00450	15.52	36.08	26.70		1517.7							
	OBS	00460	15.61	36.17	26.75		1518.3							
	OBS	00480	14.73	35.93	26.77		1515.6							
	OBS	00500	14.52	35.91	26.80		1515.2							
	OBS	00600	13.21	35.68	26.89		1512.3							
	OBS	00700	11.22	35.42	27.08		1506.8							
	OBS	00800	08.53	35.16	27.34		1498.3							
	OBS	00900	06.64	35.02	27.50		1492.5							
	OBS	01000	05.84	35.06	27.64		1491.0							
	OBS	01030	05.54	35.08	27.69		1490.3							
	OBS	01055	05.79	35.14	27.71		1491.8							
	OBS	01100	05.63	35.15	27.74		1492.0							
	OBS	01200	05.26	35.14	27.78		1492.1							
	OBS	01300	04.95	35.11	27.79		1492.5							
	OBS	01340	04.63	35.07	27.79		1491.8							
	OBS	01400	04.56	35.09	27.82		1492.5							
	OBS	01500	04.32	35.07	27.83		1493.2							

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REFID 31 8162 YEAR 1970 BOTDP 04796 AIR TEMP 16.3 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0044 MONTH 04 SHIP AI WET BULB 13.7 32 1 2 WIND-SPD 22 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 17 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 18 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 044 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	16.87	36.35	26.60		1514.8							
	OBS	00010	16.86	36.35	26.60		1514.9							
	OBS	00020	16.86	36.35	26.60		1515.1							
	OBS	00030	16.86	36.35	26.60		1515.3							
	OBS	00050	16.80	36.35	26.61		1515.4							
	OBS	00075	16.80	36.36	26.62		1515.8							
	OBS	00100	16.80	36.36	26.62		1516.2							
	OBS	00125	16.80	36.36	26.62		1516.6							
	OBS	00150	16.81	36.36	26.62		1517.1							
	OBS	00200	16.84	36.37	26.62		1518.0							
	OBS	00250	16.84	36.37	26.62		1518.8							
	OBS	00300	16.84	36.37	26.62		1519.6							
	OBS	00370	16.84	36.37	26.62		1520.8							
	OBS	00400	16.46	36.30	26.66		1520.1							
	OBS	00500	15.45	36.11	26.74		1518.4							
	OBS	00542	14.52	35.94	26.82		1515.9							
	OBS	00570	14.52	35.96	26.83		1516.4							
	OBS	00600	13.62	35.77	26.88		1513.7							
	OBS	00615	13.10	35.70	26.93		1512.2							
	OBS	00680	12.40	35.61	27.00		1510.8							
	OBS	00700	11.77	35.52	27.06		1508.8							
	OBS	00800	09.49	35.29	27.28		1502.0							
	OBS	00900	06.73	35.02	27.49		1492.8							
	OBS	00920	06.43	35.03	27.54		1492.0							
	OBS	00980	06.15	35.09	27.63		1492.0							
	OBS	01000	05.86	35.07	27.65		1491.1							
	OBS	01100	05.76	35.13	27.71		1492.5							
	OBS	01200	05.34	35.14	27.77		1492.4							
	OBS	01300	04.96	35.11	27.79		1492.5							
	OBS	01400	04.69	35.08	27.80		1493.1							
	OBS	01500	04.43	35.07	27.82		1493.6							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 04206 AIR TEMP 17.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0045 MONTH 04 SHIP AI WET BULB 14.6 20 2 2 WIND-SPD 19 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 045 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.01	36.37	26.58		1515.2							
	OBS	00010	17.01	36.37	26.58		1515.4							
	OBS	00020	17.01	36.38	26.59		1515.6							
	OBS	00030	17.00	36.38	26.59		1515.7							
	OBS	00050	17.00	36.38	26.59		1516.0							
	OBS	00075	16.99	36.38	26.59		1516.4							
	OBS	00100	16.96	36.38	26.60		1516.7							
	OBS	00125	16.92	36.37	26.60		1517.0							
	OBS	00150	16.90	36.37	26.61		1517.4							
	OBS	00200	16.90	36.37	26.61		1518.2							
	OBS	00250	16.92	36.38	26.61		1519.1							
	OBS	00300	16.90	36.38	26.61		1519.8							
	OBS	00350	16.90	36.38	26.61		1520.7							
	OBS	00400	16.31	36.23	26.64		1519.5							
	OBS	00500	15.02	36.01	26.76		1516.9							
	OBS	00600	13.02	35.67	26.93		1511.6							
	OBS	00700	10.32	35.30	27.15		1503.4							
	OBS	00800	08.53	35.14	27.32		1498.3							
	OBS	00900	06.52	35.00	27.51		1492.0							
	OBS	01000	05.65	35.06	27.67		1490.3							
	OBS	01045	05.39	35.06	27.70		1490.0							
	OBS	01080	05.64	35.14	27.73		1491.7							
	OBS	01100	05.31	35.11	27.75		1490.6							
	OBS	01200	04.99	35.11	27.78		1491.0							
	OBS	01300	04.78	35.10	27.80		1491.8							
	OBS	01400	04.51	35.08	27.82		1492.3							
	OBS	01500	04.30	35.07	27.83		1493.1							

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REFID 31 8162 YEAR 1970 BOTDP 05121 AIR TEMP 18.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0046 MONTH 04 SHIP AI WET BULB 16.3 15 2 4 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 38 N DAY 17 DATA USE 1 BAROMETR 1014.9 SEA WIND-FOR DURATION 03.5 2 SQUARE 48
LONG 048 43 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 046 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	16.91	36.35	26.59		1514.9							
	OBS	00010	16.90	36.35	26.59		1515.0							
	OBS	00020	16.89	36.35	26.59		1515.2							
	OBS	00030	16.89	36.35	26.59		1515.3							
	OBS	00050	16.88	36.36	26.60		1515.7							
	OBS	00075	16.88	36.36	26.60		1516.1							
	OBS	00100	16.84	36.36	26.61		1516.4							
	OBS	00125	16.83	36.36	26.62		1516.7							
	OBS	00150	16.84	36.36	26.61		1517.2							
	OBS	00200	16.84	36.37	26.62		1518.0							
	OBS	00250	16.84	36.37	26.62		1518.8							
	OBS	00300	16.84	36.37	26.62		1519.6							
	OBS	00340	16.72	36.34	26.63		1519.9							
	OBS	00400	15.91	36.18	26.69		1516.2							
	OBS	00500	14.02	35.83	26.84		1513.5							
	OBS	00600	11.91	35.52	27.03		1507.7							
	OBS	00700	09.34	35.21	27.25		1499.7							
	OBS	00787	08.52	35.16	27.34		1497.7							
	OBS	00800	07.62	35.09	27.42		1494.7							
	OBS	00900	06.42	35.09	27.59		1491.7							
	OBS	01000	05.45	35.06	27.69		1489.4							
	OBS	01100	05.38	35.12	27.75		1490.9							
	OBS	01200	05.08	35.11	27.77		1491.3							
	OBS	01300	04.75	35.10	27.80		1491.7							
	OBS	01400	04.59	35.09	27.81		1492.7							
	OBS	01500	04.37	35.08	27.83		1493.4							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTDP 04424	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0047	MONTH 04	SHIP AI	WET BULB 16.5	15 2 4	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 37 N	DAY 18	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	GRIG E40 047	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	16.94	36.36	26.59		1515.0							
	OBS	00010	16.94	36.36	26.59		1515.2							
	OBS	00020	16.92	36.36	26.59		1515.3							
	OBS	00030	16.91	36.37	26.60		1515.4							
	OBS	00050	16.89	36.37	26.61		1515.7							
	OBS	00075	16.90	36.37	26.61		1516.1							
	OBS	00100	16.91	36.37	26.60		1516.6							
	OBS	00125	16.92	36.37	26.60		1517.0							
	OBS	00150	16.92	36.38	26.61		1517.4							
	OBS	00200	16.92	36.38	26.61		1518.3							
	OBS	00250	16.92	36.38	26.61		1519.1							
	OBS	00300	16.92	36.38	26.61		1519.9							
	OBS	00360	16.75	36.33	26.61		1520.3							
	OBS	00400	16.28	36.20	26.62		1519.4							
	OBS	00420	15.73	36.14	26.70		1518.0							
	OBS	00450	15.81	36.19	26.72		1518.8							
	OBS	00500	15.20	36.06	26.76		1517.5							
	OBS	00600	12.63	35.68	26.97		1511.0							
	OBS	00700	10.72	35.35	27.12		1504.9							
	OBS	00800	08.74	35.17	27.31		1499.1							
	OBS	00900	07.20	35.10	27.45		1494.8							
	OBS	01000	05.75	35.06	27.65		1490.7							
	OBS	01100	05.04	35.03	27.72		1489.4							
	OBS	01200	04.75	35.03	27.75		1489.9							
	OBS	01300	04.53	35.03	27.77		1490.6							
	OBS	01400	04.32	35.02	27.79		1491.4							
	OBS	01500	04.12	35.02	27.81		1492.3							

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REFID 31 8162	YEAR 1970	BOTDP 01829	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0048	MONTH 04	SHIP AI	WET BULB 15.0	15 2 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 17 N	DAY 18	DATA USE 1	BAROMETR 1012.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 41 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	GRIG E40 048	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.02	36.35	26.56		1515.2							
	OBS	00010	17.02	36.35	26.56		1515.4							
	OBS	00020	17.02	36.35	26.56		1515.6							
	OBS	00030	17.00	36.36	26.57		1515.7							
	OBS	00050	16.99	36.36	26.58		1516.0							
	OBS	00075	16.97	36.37	26.59		1516.3							
	OBS	00100	16.96	36.37	26.59		1516.7							
	OBS	00125	16.94	36.37	26.60		1517.1							
	OBS	00150	16.93	36.37	26.60		1517.5							
	OBS	00200	16.94	36.38	26.60		1518.3							
	OBS	00250	16.95	36.38	26.60		1519.2							
	OBS	00300	16.94	36.38	26.60		1520.0							
	OBS	00320	16.93	36.37	26.60		1520.2							
	OBS	00400	15.72	36.13	26.70		1517.6							
	OBS	00420	15.85	36.21	26.73		1518.4							
	OBS	00460	15.81	36.19	26.72		1518.9							
	OBS	00500	15.02	35.99	26.75		1516.9							
	OBS	00600	13.05	35.66	26.91		1511.7							
	OBS	00700	10.42	35.30	27.13		1503.8							
	OBS	00800	08.62	35.19	27.35		1498.7							
	OBS	00900	07.56	35.19	27.51		1496.3							
	OBS	00910	07.24	35.13	27.51		1495.2							
	OBS	01000	06.13	35.09	27.63		1492.2							
	OBS	01100	05.05	35.03	27.71		1489.4							
	OBS	01200	04.81	35.04	27.75		1490.1							
	OBS	01300	04.74	35.06	27.77		1491.6							
	OBS	01400	04.52	35.05	27.79		1492.3							
	OBS	01500	04.42	35.06	27.81		1493.6							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BCTDP 02012 AIR TEMP 18.5 DIR HGT PER #IND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0049 MONTH 04 SHIP AI WET BULB 15.9 15 2 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 18 DATA USE 1 BAROMETR 1012.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 42 W HOUR 12.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 C49 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	17.01	36.34	26.56		1515.2							
	OBS	00010	17.01	36.34	26.56		1515.4							
	OBS	00020	17.00	36.34	26.56		1515.5							
	OBS	00030	16.99	36.36	26.58		1515.7							
	OBS	00050	16.93	36.36	26.59		1515.8							
	OBS	00075	16.90	36.37	26.61		1516.1							
	OBS	00100	16.90	36.37	26.61		1516.5							
	OBS	00125	16.91	36.37	26.60		1517.0							
	OBS	00150	16.91	36.37	26.60		1517.4							
	OBS	00200	16.91	36.37	26.60		1518.2							
	OBS	00250	16.92	36.38	26.61		1519.1							
	OBS	00300	16.91	36.37	26.60		1519.9							
	OBS	00330	16.85	36.35	26.60		1520.1							
	OBS	00400	15.45	36.03	26.68		1516.6							
	OBS	00500	13.88	35.75	26.81		1512.9							
	OBS	00600	11.81	35.51	27.04		1507.3							
	OBS	00700	10.22	35.32	27.18		1503.1							
	OBS	00750	09.03	35.09	27.20		1499.3							
	OBS	00800	08.13	35.17	27.41		1496.8							
	OBS	00900	07.23	35.17	27.54		1495.0							
	OBS	00920	07.11	35.20	27.58		1494.9							
	OBS	00950	06.73	35.12	27.57		1493.8							
	OBS	01000	06.11	35.14	27.67		1492.2							
	OBS	01100	05.37	35.08	27.72		1490.8							
	OBS	01200	04.76	35.04	27.76		1489.9							
	OBS	01300	04.53	35.03	27.77		1490.6							
	OBS	01400	04.29	35.01	27.78		1491.3							
	OBS	01500	04.16	35.02	27.81		1492.5							

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REFID 31 8162 YEAR 1970 BCTDP 02286 AIR TEMP 19.1 DIR HGT PER #IND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0050 MONTH 04 SHIP AI WET BULB 16.2 18 2 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 12 N DAY 19 DATA USE 1 BAROMETR 1009.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 38 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR #EATHER X1 ORIG E40 050 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	17.02	36.35	26.56		1515.2							
	OBS	00010	17.02	36.35	26.56		1515.4							
	OBS	00020	17.01	36.35	26.56		1515.5							
	OBS	00030	16.95	36.37	26.59		1515.5							
	OBS	00050	16.92	36.37	26.60		1515.8							
	OBS	00075	16.90	36.37	26.61		1516.1							
	OBS	00100	16.88	36.37	26.61		1516.5							
	OBS	00125	16.87	36.37	26.61		1516.9							
	OBS	00150	16.86	36.36	26.61		1517.2							
	OBS	00175	16.86	36.36	26.61		1517.6							
	OBS	00200	16.86	36.36	26.61		1518.1							
	OBS	00250	16.87	36.37	26.61		1518.9							
	OBS	00300	16.87	36.37	26.61		1519.7							
	OBS	00330	16.85	36.36	26.61		1520.2							
	OBS	00400	15.63	36.05	26.66		1517.2							
	OBS	00422	15.23	36.00	26.71		1516.3							
	OBS	00470	14.67	35.92	26.77		1515.2							
	OBS	00500	13.93	35.79	26.83		1513.1							
	OBS	00515	13.49	35.71	26.86		1511.8							
	OBS	00600	12.03	35.54	27.02		1508.1							
	OBS	00700	09.44	35.20	27.22		1500.1							
	OBS	00740	08.65	35.14	27.30		1497.7							
	OBS	00790	08.18	35.16	27.39		1496.8							
	OBS	00800	07.83	35.11	27.41		1495.6							
	OBS	00830	07.33	35.15	27.51		1494.2							
	OBS	00900	06.95	35.17	27.58		1493.9							
	OBS	01000	06.23	35.13	27.65		1492.7							
	OBS	01100	05.35	35.06	27.70		1490.7							
	OBS	01120	05.28	35.06	27.71		1490.8							
	OBS	01150	04.93	35.01	27.71		1489.8							
	OBS	01200	04.85	35.03	27.74		1490.3							
	OBS	01300	04.57	35.02	27.76		1490.8							
	OBS	01400	04.37	35.01	27.78		1491.6							
	OBS	01500	04.28	35.02	27.79		1493.0							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 02560 AIR TEMP 18.4 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0051 MONTH 04 SHIP AI WET BULB 15.6 18 2 3 WIND-SPD 27 TRACE DIR D 5 SQUARE 4
LAT 35 12 N DAY 19 DATA USE 1 BAROMETR 1006.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 49 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 051 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.01	36.36	26.57		1515.2							
	OBS	00010	17.00	36.36	26.57		1515.4							
	OBS	00020	17.00	36.36	26.57		1515.5							
	OBS	00030	16.98	36.37	26.59		1515.6							
	OBS	00050	16.95	36.37	26.59		1515.9							
	OBS	00075	16.93	36.37	26.60		1516.2							
	OBS	00100	16.93	36.38	26.61		1516.6							
	OBS	00125	16.93	36.38	26.61		1517.1							
	OBS	00150	16.93	36.38	26.61		1517.5							
	OBS	00200	16.95	36.38	26.60		1518.3							
	OBS	00250	16.94	36.38	26.60		1519.1							
	OBS	00300	16.95	36.38	26.60		1520.0							
	OBS	00362	16.95	36.39	26.61		1521.0							
	OBS	00400	16.16	36.23	26.67		1519.1							
	OBS	00500	15.04	35.99	26.74		1516.9							
	OBS	00600	13.05	35.57	26.84		1511.6							
	OBS	00700	10.55	35.34	27.14		1504.3							
	OBS	00725	10.15	35.28	27.16		1503.2							
	OBS	00745	09.66	35.28	27.25		1501.7							
	OBS	00800	08.36	35.17	27.37		1497.7							
	OBS	00900	07.36	35.19	27.54		1495.5							
	OBS	01000	06.29	35.12	27.63		1492.9							
	OBS	01100	05.37	35.06	27.70		1490.8							
	OBS	01200	04.93	35.03	27.73		1490.6							
	OBS	01300	04.73	35.04	27.76		1491.5							
	OBS	01400	04.56	35.03	27.77		1492.4							
	OBS	01500	04.39	35.03	27.79		1493.4							

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REFID 31 8162 YEAR 1970 BOTDP 02103 AIR TEMP 18.4 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0052 MONTH 04 SHIP AI WET BULB 16.0 19 1 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 14 N DAY 19 DATA USE 1 BAROMETR 1006.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 52 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 052 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.01	36.33	26.55		1515.2							
	OBS	00010	17.01	36.34	26.56		1515.4							
	OBS	00020	16.99	36.34	26.56		1515.5							
	OBS	00030	16.99	36.35	26.57		1515.6							
	OBS	00050	16.94	36.36	26.59		1515.8							
	OBS	00075	16.95	36.37	26.59		1516.3							
	OBS	00100	16.93	36.37	26.60		1516.6							
	OBS	00125	16.93	36.38	26.61		1517.1							
	OBS	00150	16.93	36.38	26.61		1517.5							
	OBS	00200	16.93	36.38	26.61		1518.3							
	OBS	00250	16.94	36.38	26.60		1519.1							
	OBS	00300	16.94	36.39	26.61		1520.0							
	OBS	00330	16.93	36.39	26.61		1520.4							
	OBS	00350	16.84	36.35	26.61		1520.4							
	OBS	00390	16.02	36.21	26.69		1518.4							
	OBS	00400	16.00	36.21	26.70		1518.6							
	OBS	00500	15.86	36.22	26.74		1519.8							
	OBS	00520	15.66	36.17	26.74		1519.4							
	OBS	00600	13.25	35.70	26.90		1512.4							
	OBS	00700	10.77	35.32	27.08		1505.1							
	OBS	00800	09.17	35.25	27.31		1500.8							
	OBS	00840	08.18	35.21	27.43		1497.7							
	OBS	00900	07.58	35.19	27.51		1496.4							
	OBS	00920	06.95	35.14	27.56		1494.2							
	OBS	01000	06.15	35.08	27.62		1492.3							
	OBS	01100	05.10	35.02	27.70		1489.6							
	OBS	01200	04.90	35.03	27.73		1490.5							
	OBS	01300	04.64	35.02	27.75		1491.1							
	OBS	01400	04.62	35.05	27.78		1492.7							
	OBS	01500	04.45	35.05	27.80		1493.7							

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TABLE XIX.—Continued

REFID 31 6162 YEAR 1970 BOTDP 02195 AIR TEMP 17.4 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0053 MONTH 04 SHIP AI WET BULB 15.9 22 2 4 WIND-SPD 24 TRACE DIR D 5 SQUARE 4
LAT 35 17 N DAY 20 DATA USE 1 BAROMETR 1006.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 48 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 053 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.06	36.35	26.55		1515.4							
	OBS	00010	17.06	36.35	26.55		1515.5							
	OBS	00020	17.01	36.36	26.57		1515.5							
	OBS	00030	17.01	36.36	26.57		1515.7							
	OBS	00050	16.92	36.37	26.60		1515.8							
	OBS	00075	16.92	36.37	26.60		1516.2							
	OBS	00100	16.93	36.37	26.60		1516.6							
	OBS	00125	16.93	36.37	26.60		1517.0							
	OBS	00150	16.93	36.38	26.61		1517.5							
	OBS	00200	16.95	36.38	26.60		1518.3							
	OBS	00250	16.96	36.38	26.60		1519.2							
	OBS	00300	16.93	36.37	26.60		1519.9							
	OBS	00370	15.93	36.19	26.70		1517.8							
	OBS	00400	15.92	36.22	26.72		1518.3							
	OBS	00450	15.87	36.21	26.73		1519.0							
	OBS	00500	14.85	35.98	26.78		1516.3							
	OBS	00600	12.96	35.68	26.95		1511.4							
	OBS	00700	10.37	35.30	27.14		1503.6							
	OBS	00800	08.41	35.18	27.37		1497.9							
	OBS	00900	06.89	35.14	27.56		1493.6							
	OBS	01000	06.05	35.08	27.63		1491.9							
	OBS	01100	05.19	35.03	27.70		1490.0							
	OBS	01200	04.92	35.04	27.74		1490.6							
	OBS	01300	04.84	35.05	27.75		1492.0							
	OBS	01400	04.75	35.05	27.77		1493.3							
	OBS	01500	04.48	35.05	27.80		1493.8							

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REFID 31 6162 YEAR 1970 BOTDP 05212 AIR TEMP 18.5 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206
CONSEC 0054 MONTH 04 SHIP AI WET BULB 15.9 29 3 5 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 33 25 N DAY 21 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 26
LONG 046 57 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 054 1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.21	36.52	26.40		1518.9							
	OBS	00010	18.20	36.52	26.40		1519.1							
	OBS	00020	18.21	36.53	26.41		1519.3							
	OBS	00030	18.21	36.53	26.41		1519.4							
	OBS	00050	18.20	36.53	26.41		1519.7							
	OBS	00075	18.02	36.52	26.45		1519.6							
	OBS	00100	17.63	36.48	26.51		1518.8							
	OBS	00125	17.33	36.41	26.53		1518.3							
	OBS	00150	17.13	36.40	26.57		1518.1							
	OBS	00200	17.04	36.40	26.60		1518.6							
	OBS	00250	16.94	36.39	26.61		1519.1							
	OBS	00300	16.94	36.39	26.61		1520.0							
	OBS	00400	16.35	36.25	26.64		1519.7							
	OBS	00500	14.97	36.01	26.77		1516.7							
	OBS	00600	13.08	35.70	26.94		1511.9							
	OBS	00700	10.89	35.40	27.13		1505.6							
	OBS	00800	09.08	35.22	27.30		1500.4							
	OBS	00820	08.30	35.07	27.30		1497.6							
	OBS	00900	07.16	35.14	27.53		1494.7							
	OBS	01000	06.22	35.11	27.63		1492.6							
	OBS	01100	05.72	35.13	27.71		1492.3							
	OBS	01200	05.33	35.12	27.75		1492.4							
	OBS	01300	05.13	35.12	27.76		1493.2							
	OBS	01400	04.66	35.08	27.80		1492.9							
	OBS	01500	04.38	35.05	27.81		1493.4							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BCTDP 04480 AIR TEMP 18.5 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0055 MONTH 04 SHIP AI WET BULB 15.9 21 2 2 WIND-SPD 21 TRACE DIR 5 SQUARE 4
LAT 35 20 N DAY 23 DATA USE 1 BAROMETR 1014.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 34 W HOUR 19.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X4 ORIG E40 055 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.5	OBS	00000	17.08	36.400	26.55		1515.5							
19.5	OBS	00018	16.96	36.365	26.58		1515.4							
19.5	OBS	00037	16.92	36.372	26.60		1515.6							
19.5	OBS	00056	16.92	36.396	26.62		1515.7							
19.5	OBS	00078	16.88	36.366	26.61		1516.1							
19.5	OBS	00112	16.85	36.359	26.61		1516.6							

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REFID 31 8162 YEAR 1970 BCTDP 02743 AIR TEMP 18.1 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0056 MONTH 04 SHIP AI WET BULB 15.2 27 1 3 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 17 N DAY 24 DATA USE 1 BAROMETR 1011.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 49 W HOUR 13.4 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E40 056 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	17.02	36.327	26.54		1515.2							
13.4	OBS	00026	16.99	36.359	26.58		1515.6							
13.4	OBS	00052	16.99	36.369	26.58		1516.0							
13.4	OBS	00078	16.92											
13.4	OBS	00094	16.88											
13.4	OBS	00156	16.92	36.363	26.60		1517.5							
13.4	OBS	00208	16.94	36.369	26.60		1518.4							

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REFID 31 8162 YEAR 1970 BCTDP 04206 AIR TEMP 18.7 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0057 MONTH 04 SHIP AI WET BULB 15.4 21 2 3 WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 25 DATA USE 1 BAROMETR 1012.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 45 W HOUR 13.6 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X1 ORIG E40 057 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	17.90	36.435	26.41		1517.4							
13.6	OBS	00027	17.35	36.405	26.52		1516.7							
13.6	OBS	00053	17.14	36.401	26.57		1516.5							
13.6	OBS	00081	17.06	36.384	26.58		1516.7							
13.6	OBS	00108	16.96	36.368	26.59		1516.9							
13.6	OBS	00162	16.86	36.370	26.62		1517.4							
13.6	OBS	00216	16.85	36.362	26.61		1518.3							
13.6	OBS	00325	16.16	36.202	26.65		1517.8							
13.6	OBS	00540	13.53	35.769	26.90		1512.5							
13.6	OBS	T00648	11.69	35.498	27.05		1507.7							
13.6	OBS	00865		35.063										
13.6	OBS	T01081	05.28	35.038	27.65		1490.1							
13.6	OBS	T01627	04.18	34.987	27.78		1494.6							

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REFID 31 8162 YEAR 1970 BCTDP 04389 AIR TEMP 18.5 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0058 MONTH 04 SHIP AI WET BULB 15.6 29 2 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 14 N DAY 26 DATA USE 1 BAROMETR 1012.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 37 W HOUR 18.9 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E40 058 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.9	OBS	00000	17.92	36.433	26.41		1518.0							
18.9	OBS	00027	17.59	36.441	26.49		1517.5							
18.9	OBS	00054	17.47	36.431	26.52		1517.6							
18.9	OBS	00081	17.28	36.406	26.54		1517.4							
18.9	OBS	00117	17.13	36.386	26.56		1517.5							
18.9	OBS	00163	16.94	36.352	26.58		1517.7							
18.9	OBS	T00217	16.90	36.358	26.60		1518.4							
18.9	OBS	00328	16.50	36.271	26.63		1519.0							
18.9	OBS	00551	13.16	35.720	26.94		1511.3							
18.9	OBS	T00663	11.17	35.419	27.05		1506.0							
18.9	OBS	00884	06.62	35.044	27.53		1492.2							
18.9	OBS	T01110	05.08	35.018	27.70		1489.7							
18.9	OBS	T01711	04.00	34.983	27.78		1495.1							

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TABLE XX.–Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 1 May 1970 - 31 May 1970, prepared from NODC listing No. 31 - 8173.

REFID 31 8173	YEAR 1970	BOTDP 04938	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 05	SHIP EN	WET BULB 18.7	13 1 3	WIND-SPD 06	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 01	DATA USE L	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 00 W	HOUR 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	17.63	36.35	26.41		1517.0							
	OBS	00010	17.56	36.39	26.46		1517.0							
	OBS	00020	17.36	36.39	26.51		1516.6							
	OBS	00030	17.33	36.40	26.53		1516.7							
	OBS	00050	17.19	36.39	26.55		1516.6							
	OBS	00075	17.03	36.38	26.58		1516.5							
	OBS	00100	16.98	36.38	26.59		1516.8							
	OBS	00125	16.90	36.38	26.61		1517.0							
	OBS	00150	16.89	36.38	26.62		1517.3							
	OBS	00200	16.93	36.40	26.62		1518.3							
	OBS	00250	16.92	36.41	26.63		1519.1							
	OBS	00300	16.90	36.41	26.64		1519.9							
	OBS	00400	15.79	36.11	26.67		1517.8							
	OBS	00500	14.20	35.75	26.74		1514.0							
	OBS	00600	12.26	35.51	26.95		1508.9							
	OBS	00700	10.30	35.26	27.12		1503.3							
	OBS	00800	08.17	35.07	27.32		1496.8							
	OBS	00900	06.67	35.04	27.52		1492.6							
	OBS	00920	06.41	35.05	27.56		1492.0							
	OBS	00933	06.57	35.09	27.57		1492.9							
	OBS	01000	05.78	35.05	27.64		1490.8							
	OBS	01030	05.87	35.10	27.67		1491.7							
	OBS	01100	05.55	35.08	27.69		1491.5							
	OBS	01200	05.04	35.05	27.73		1491.1							
	OBS	01300	04.62	35.02	27.76		1491.0							
	OBS	01400	04.46	35.01	27.77		1492.0							
	OBS	01530	04.29	35.01	27.78		1493.0							

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REFID 31 8173	YEAR 1970	BOTDP 04700	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 36	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 05	SHIP EN	WET BULB 17.2	34	WIND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 34 51 N	DAY 01	DATA USE 1	BAROMETR 1026.4	SEA 3	WIND-FOR	DURATION 00.7	2 SQUARE 48
LONG 048 03 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E41 002	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	17.65	36.39	26.44		1517.1							
	OBS	00010	17.64	36.40	26.45		1517.3							
	OBS	00020	17.38	36.42	26.53		1516.7							
	OBS	00030	17.37	36.43	26.54		1516.9							
	OBS	00050	17.27	36.41	26.55		1516.9							
	OBS	00075	17.15	36.41	26.58		1516.9							
	OBS	00100	17.04	36.41	26.60		1517.0							
	OBS	00125	17.01	36.41	26.61		1517.3							
	OBS	00150	17.00	36.41	26.61		1517.7							
	OBS	00200	16.94	36.41	26.63		1518.4							
	OBS	00250	16.85	36.41	26.65		1518.9							
	OBS	00300	16.86	36.41	26.65		1519.8							
	OBS	00400	16.06	36.21	26.68		1518.7							
	OBS	00500	14.54	35.93	26.81		1515.3							
	OBS	00600	12.60	35.61	26.96		1510.1							
	OBS	00700	10.20	35.28	27.15		1503.0							
	OBS	00800	07.99	35.11	27.38		1496.2							
	OBS	00900	06.33	35.06	27.58		1491.3							
	OBS	00940	05.99	35.05	27.61		1490.6							
	OBS	00980	06.07	35.13	27.67		1491.7							
	OBS	01000	05.94	35.11	27.67		1491.5							
	OBS	01100	05.33	35.09	27.73		1490.7							
	OBS	01200	04.95	35.05	27.74		1490.7							
	OBS	01300	04.71	35.05	27.77		1491.4							
	OBS	01400	04.46	35.03	27.78		1492.0							
	OBS	01500	04.25	35.01	27.79		1492.8							
	OBS	01750	03.95	35.00	27.81		1495.8							
	OBS	02000	03.64	34.99	27.84		1498.7							
	OBS	02500	03.28	34.98	27.86		1505.7							
	OBS	03000	02.85	34.97	27.90		1512.5							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 05040 AIR TEMP 17.8 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 05 SHIP EN WET BULB 16.9 08 1 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 02 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E41 003 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.1	OBS	00000	17.85	36.41	26.40		1517.8							
	OBS	00010	17.48	36.43	26.51		1516.9							
	OBS	00020	17.37	36.43	26.54		1516.7							
	OBS	00030	17.32	36.43	26.55		1516.7							
	OBS	00050	17.18	36.43	26.59		1516.6							
	OBS	00075	17.08	36.41	26.59		1516.7							
	OBS	00100	16.94	36.40	26.62		1516.7							
	OBS	00125	16.93	36.40	26.62		1517.1							
	OBS	00150	16.93	36.39	26.61		1517.5							
	OBS	00200	16.94	36.38	26.60		1518.3							
	OBS	00250	16.93	36.38	26.61		1519.1							
	OBS	00300	16.92	36.38	26.61		1519.9							
	OBS	00335	16.69	36.31	26.61		1519.7							
	OBS	00350	16.78	36.36	26.63		1520.3							
	OBS	00360	16.77	36.36	26.63		1520.4							
	OBS	00400	16.32	36.25	26.65		1519.6							
	OBS	00500	14.70	35.93	26.77		1515.8							
	OBS	00600	12.93	35.60	26.86		1511.2							
	OBS	00700	10.55	35.27	27.09		1504.2							
	OBS	00800	08.43	35.12	27.32		1497.9							
	OBS	00855	07.38	35.09	27.46		1494.7							
	OBS	00900	06.93	35.09	27.52		1493.7							
	OBS	00970	05.91	35.01	27.59		1490.7							
	OBS	01000	06.00	35.09	27.64		1491.7							
	OBS	01030	06.04	35.08	27.63		1492.3							
	OBS	01100	05.48	35.09	27.71		1491.3							
	OBS	01200	05.11	35.07	27.74		1491.4							
	OBS	01300	04.90	35.07	27.76		1492.2							
	OBS	01400	04.61	35.04	27.77		1492.7							
	OBS	01500	04.26	35.02	27.80		1492.9							

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REFID 31 8173 YEAR 1970 BOTDP 04663 AIR TEMP 18.0 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 05 SHIP EN WET BULB 17.2 08 2 3 WIND-SPD 11 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 02 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 11 W HOUR 06.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.8	OBS	00000	17.69	36.41	26.45		1517.3							
	OBS	00010	17.70	36.41	26.44		1517.5							
	OBS	00020	17.69	36.41	26.45		1517.6							
	OBS	00030	17.27	36.44	26.57		1516.6							
	OBS	00050	17.21	36.42	26.57		1516.7							
	OBS	00075	17.03	36.41	26.61		1516.6							
	OBS	00100	16.95	36.42	26.63		1516.8							
	OBS	00125	16.93	36.42	26.64		1517.1							
	OBS	00150	16.91	36.42	26.64		1517.5							
	OBS	00200	16.92	36.43	26.65		1518.3							
	OBS	00250	16.90	36.42	26.64		1519.1							
	OBS	00300	16.87	36.42	26.65		1519.8							
	OBS	00400	16.72	36.39	26.66		1521.0							
	OBS	00500	14.84	36.01	26.80		1516.3							
	OBS	00600	13.17	35.73	26.94		1512.2							
	OBS	00700	10.76	35.40	27.15		1505.1							
	OBS	00800	08.65	35.17	27.33		1498.8							
	OBS	00900	07.07	35.03	27.45		1494.2							
	OBS	00970	06.03	35.00	27.57		1491.2							
	OBS	01000	06.07	35.09	27.64		1492.0							
	OBS	01100	05.62	35.06	27.68		1491.8							
	OBS	01200	05.11	35.06	27.73		1491.4							
	OBS	01300	04.61	35.01	27.75		1491.0							
	OBS	01400	04.35	34.99	27.76		1491.5							
	OBS	01500	04.22	34.99	27.78		1492.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04709 AIR TEMP 18.7 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 05 SHIP EN WET BULB 17.6 10 1 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 49
LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.89	36.30	26.31		1517.7							
	OBS	00010	17.70	36.39	26.43		1517.5							
	OBS	00020	17.56	36.37	26.45		1517.2							
	OBS	00030	17.32	36.41	26.54		1516.7							
	OBS	00050	17.08	36.40	26.59		1516.3							
	OBS	00060	16.98	36.41	26.62		1516.2							
	OBS	00075	16.95	36.41	26.63		1516.3							
	OBS	00100	16.91	36.39	26.62		1516.6							
	OBS	00125	16.88	36.39	26.63		1516.9							
	OBS	00150	16.88	36.39	26.63		1517.3							
	OBS	00200	16.90	36.40	26.63		1518.2							
	OBS	00250	16.87	36.41	26.64		1519.0							
	OBS	00300	16.89	36.41	26.64		1519.8							
	OBS	00400	16.17	36.23	26.67		1519.1							
	OBS	00420	15.85	36.13	26.67		1518.3							
	OBS	00440	15.72	36.14	26.71		1518.3							
	OBS	00500	14.97	35.95	26.73		1516.7							
	OBS	00600	13.45	35.73	26.88		1513.1							
	OBS	00680	11.70	35.53	27.08		1508.3							
	OBS	00700	11.58	35.49	27.07		1508.1							
	OBS	00750	10.11	35.24	27.14		1503.4							
	OBS	00800	08.66	35.17	27.33		1498.8							
	OBS	00840	07.69	35.11	27.43		1495.7							
	OBS	00900	07.18	35.10	27.49		1494.7							
	OBS	01000	05.76	35.03	27.63		1490.7							
	OBS	01010	05.66	35.06	27.66		1490.5							
	OBS	01040	05.86	35.12	27.69		1491.8							
	OBS	01100	05.51	35.10	27.71		1491.4							
	OBS	01200	05.15	35.09	27.75		1491.6							
	OBS	01300	04.72	35.05	27.77		1491.5							
	OBS	01400	04.59	35.06	27.79		1492.6							
	OBS	01500	04.28	35.03	27.80		1493.0							

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REFID 31 8173 YEAR 1970 BOTDP 04389 AIR TEMP 18.7 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC JC06 MONTH 05 SHIP EN WET BULB 16.7 11 1 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 02 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 048 06 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	18.04	36.37	26.33		1518.3							
	OBS	00010	17.81	36.39	26.40		1517.8							
	OBS	00020	17.72	36.39	26.42		1517.7							
	OBS	00030	17.34	36.43	26.55		1516.8							
	OBS	00050	17.19	36.42	26.58		1516.6							
	OBS	00075	17.06	36.41	26.60		1516.7							
	OBS	00100	16.97	36.40	26.61		1516.8							
	OBS	00125	16.93	36.40	26.62		1517.1							
	OBS	00150	16.94	36.40	26.62		1517.5							
	OBS	00200	16.93	36.41	26.63		1518.3							
	OBS	00250	16.83	36.40	26.65		1518.8							
	OBS	00300	16.84	36.41	26.65		1519.7							
	OBS	00320	16.87	36.41	26.64		1520.1							
	OBS	00400	16.20	36.23	26.66		1519.2							
	OBS	00500	15.00	35.93	26.71		1516.7							
	OBS	00600	13.29	35.65	26.85		1512.5							
	OBS	00700	10.61	35.27	27.07		1504.4							
	OBS	00800	08.56	35.16	27.33		1498.4							
	OBS	00900	06.60	35.05	27.53		1492.4							
	OBS	01000	05.97	35.10	27.66		1491.6							
	OBS	01100	05.55	35.09	27.70		1491.6							
	OBS	01200	05.08	35.05	27.73		1491.3							
	OBS	01240	04.90	35.05	27.75		1491.2							
	OBS	01300	04.81	35.06	27.77		1491.8							
	OBS	01400	04.68	35.04	27.77		1493.0							
	OBS	01500	04.38	35.01	27.77		1493.4							
	OBS	01750	03.96	35.00	27.81		1495							
	OBS	02000	03.81	35.02	27.84		1499							
	OBS	02500	03.34	35.00	27.87		1506.							
	OBS	03000	02.90	34.99	27.91		1512.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP AIR TEMP 17.9 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0007 MONTH 05 SHIP EN WET BULB 16.2 09 1 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 03 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 04 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.1	OBS	00000	18.29	36.39	26.28		1519.0							
	OBS	00010	17.91	36.39	26.38		1518.1							
	OBS	00020	17.42	36.41	26.51		1516.8							
	OBS	00030	17.11	36.42	26.59		1516.1							
	OBS	00050	17.07	36.42	26.60		1516.3							
	OBS	00075	16.97	36.42	26.63		1516.4							
	OBS	00100	16.94	36.42	26.64		1516.7							
	OBS	00125	16.93	36.43	26.65		1517.1							
	OBS	00150	16.92	36.43	26.65		1517.5							
	OBS	00200	16.90	36.44	26.66		1518.3							
	OBS	00250	16.88	36.43	26.66		1519.0							
	OBS	00300	16.81	36.41	26.66		1519.6							
	OBS	00370	16.45	36.33	26.68		1519.6							
	OBS	00400	16.14	36.26	26.70		1519.0							
	OBS	00500	14.67	35.92	26.77		1515.7							
	OBS	00600	13.05	35.67	26.92		1511.7							
	OBS	00700	10.60	35.34	27.13		1504.5							
	OBS	00800	08.66	35.16	27.32		1498.8							
	OBS	00900	06.61	35.04	27.52		1492.4							
	OBS	00975	05.87	35.05	27.63		1490.7							
	OBS	01000	05.93	35.13	27.69		1491.5							
	OBS	01100	05.59	35.12	27.72		1491.8							
	OBS	01200	05.56	35.11	27.72		1493.3							
	OBS	01300	04.91	35.08	27.77		1492.3							
	OBS	01400	04.55	35.08	27.81		1492.5							
	OBS	01500	04.38	35.05	27.81		1493.4							

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REFID 31 8173 YEAR 1970 BOTDP 05212 AIR TEMP 18.5 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
CONSEC 0008 MONTH 05 SHIP EN WET BULB 15.6 36 1 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 36 03 N DAY 03 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 66
LONG 047 06 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 008 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	OBS	00000	17.75	36.44	26.45		1517.5							
	OBS	00010	17.73	36.43	26.45		1517.6							
	OBS	00020	17.69	36.43	26.46		1517.6							
	OBS	00030	17.59	36.44	26.49		1517.5							
	OBS	00050	17.34	36.43	26.55		1517.1							
	OBS	00075	17.14	36.41	26.58		1516.9							
	OBS	00100	17.08	36.41	26.59		1517.1							
	OBS	00125	16.99	36.38	26.59		1517.2							
	OBS	00150	16.92	36.38	26.61		1517.4							
	OBS	00200	16.86	36.37	26.62		1518.1							
	OBS	00250	16.78	36.35	26.62		1518.6							
	OBS	00300	16.63	36.32	26.63		1519.0							
	OBS	00400	15.59	36.09	26.70		1517.1							
	OBS	00500	14.16	35.85	26.83		1514.0							
	OBS	00600	12.51	35.59	26.97		1509.8							
	OBS	00700	10.29	35.31	27.16		1503.3							
	OBS	00800	08.35	35.09	27.31		1497.5							
	OBS	00870	07.32	35.18	27.54		1494.9							
	OBS	00900	07.35	35.22	27.56		1495.5							
	OBS	00940	07.23	35.23	27.59		1495.7							
	OBS	01000	06.41	35.18	27.66		1493.5							
	OBS	01100	05.69	35.10	27.69		1492.1							
	OBS	01140	05.56	35.12	27.72		1492.3							
	OBS	01200	04.99	35.02	27.71		1490.9							
	OBS	01240	04.80	35.01	27.73		1490.7							
	OBS	01300	04.66	35.02	27.75		1491.2							
	OBS	01400	04.35	34.98	27.75		1491.5							
	OBS	01500	04.13	34.98	27.78		1492.3							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 05303	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 05	SHIP EN	WET BULB 15.0	49 1 5	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 36 12 N	DAY 03	DATA USE 1	BAROMETR 1029.0	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 66
LONG 046 47 W	HOUR 17.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 009	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	OBS	00000	17.83	36.42	26.42		1517.7							
	OBS	00010	17.81	36.41	26.42		1517.8							
	OBS	00020	17.77	36.40	26.42		1517.8							
	OBS	00030	17.65	36.36	26.42		1517.6							
	OBS	00050	17.36	36.39	26.51		1517.1							
	OBS	00075	17.18	36.39	26.55		1517.0							
	OBS	00100	16.99	36.36	26.58		1516.8							
	OBS	00125	16.93	36.37	26.60		1517.0							
	OBS	00150	16.92	36.37	26.60		1517.4							
	OBS	00200	16.81	36.36	26.62		1517.9							
	OBS	00250	16.70	36.34	26.63		1518.4							
	OBS	00300	16.56	36.30	26.63		1518.7							
	OBS	00400	15.85	36.17	26.70		1518.0							
	OBS	00500	14.40	35.91	26.82		1514.8							
	OBS	00600	12.77	35.63	26.94		1510.7							
	OBS	00700	10.57	35.31	27.11		1504.3							
	OBS	00800	08.89	35.09	27.23		1499.6							
	OBS	00900	06.89	35.02	27.47		1493.5							
	OBS	00980	06.10	35.07	27.62		1491.7							
	OBS	01000	06.36	35.12	27.62		1493.2							
	OBS	01040	05.57	35.03	27.65		1490.6							
	OBS	01100	05.29	35.02	27.68		1490.4							
	OBS	01200	04.98	35.02	27.71		1490.8							
	OBS	01300	04.61	35.00	27.74		1490.9							
	OBS	01400	04.45	35.02	27.77		1492.0							
	OBS	01500	04.27	35.00	27.78		1492.9							
	OBS	01750	03.98	35.01	27.82		1495.9							
	OBS	02000	03.76	34.99	27.82		1499.2							
	OBS	02500	03.38	35.00	27.87		1506.1							
	OBS	03000	02.96	35.00	27.91		1513.0							

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REFID 31 8173	YEAR 1970	BOTDP 05212	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 05	SHIP EN	WET BULB 14.6	00 0 X	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 43 N	DAY 04	DATA USE 1	BAROMETR 1030.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 16 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X0	ORIG E41 010	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	18.15	36.43	26.35		1518.6							
	OBS	00010	17.93	36.41	26.39		1518.1							
	OBS	00020	17.57	36.40	26.47		1517.2							
	OBS	00030	17.48	36.39	26.48		1517.1							
	OBS	00050	17.26	36.38	26.53		1516.8							
	OBS	00075	17.06	36.38	26.58		1516.6							
	OBS	00100	17.02	36.38	26.59		1516.9							
	OBS	00125	16.99	36.37	26.58		1517.2							
	OBS	00150	16.96	36.37	26.59		1517.5							
	OBS	00200	16.93	36.38	26.61		1518.3							
	OBS	00250	16.89	36.37	26.61		1519.0							
	OBS	00300	16.79	36.36	26.62		1519.5							
	OBS	00345	16.61	36.31	26.63		1519.6							
	OBS	00355	16.69	36.34	26.63		1520.1							
	OBS	00400	16.04	36.13	26.62		1518.6							
	OBS	00500	14.36	35.85	26.78		1514.6							
	OBS	00600	12.67	35.61	26.95		1510.4							
	OBS	00700	10.40	35.30	27.14		1503.7							
	OBS	00800	08.46	35.10	27.30		1498.0							
	OBS	00850	07.39	35.05	27.42		1494.6							
	OBS	00865	07.24	35.03	27.43		1494.3							
	OBS	00873	07.29	35.09	27.47		1494.7							
	OBS	00880	07.08	35.05	27.47		1493.9							
	OBS	00890	07.26	35.14	27.51		1494.9							
	OBS	00900	07.22	35.19	27.56		1495.0							
	OBS	00930	06.85	35.14	27.57		1494.0							
	OBS	01000	06.34	35.14	27.64		1493.1							
	OBS	01080	05.95	35.14	27.69		1492.9							
	OBS	01100	05.73	35.11	27.69		1492.3							
	OBS	01200	05.39	35.10	27.73		1492.6							
	OBS	01300	04.98	35.08	27.76		1492.6							
	OBS	01400	04.77	35.07	27.78		1493.4							
	OBS	01500	04.58	35.07	27.80		1494.3							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 01189	AIR TEMP 17.1	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 05	SHIP EN	WET BULB 13.7	10	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 04	DATA USE 1	BAROMETR 1029.0	SEA 2	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 04 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 011	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.90	36.38	26.37		1517.9							
	OBS	00010	17.89	36.39	26.38		1518.0							
	OBS	00020	17.81	36.37	26.39		1517.9							
	OBS	00030	17.47	36.38	26.46		1517.1							
	OBS	00050	17.05	36.37	26.57		1516.2							
	OBS	00075	16.94	36.38	26.60		1516.3							
	OBS	00100	16.91	36.38	26.61		1516.6							
	OBS	00125	16.93	36.39	26.61		1517.1							
	OBS	00150	16.92	36.39	26.62		1517.4							
	OBS	00200	16.79	36.36	26.62		1517.8							
	OBS	00250	16.83	36.39	26.64		1518.8							
	OBS	00275	16.84	36.39	26.64		1519.3							
	OBS	00300	16.69	36.35	26.64		1519.2							
	OBS	00400	15.81	36.09	26.65		1517.8							
	OBS	00500	14.51	35.87	26.77		1515.1							
	OBS	00550	13.73	35.80	26.88		1513.3							
	OBS	00558	13.29	35.71	26.90		1511.9							
	OBS	00570	13.20	35.73	26.94		1511.8							
	OBS	00600	13.04	35.69	26.94		1511.7							
	OBS	00670	11.15	35.43	27.10		1506.1							
	OBS	00700	10.91	35.40	27.12		1505.7							
	OBS	00770	08.96	35.17	27.28		1499.4							
	OBS	00800	08.72	35.19	27.33		1499.1							
	OBS	00860	07.55	35.14	27.47		1495.5							
	OBS	00900	07.56	35.16	27.48		1496.3							
	OBS	01000	06.35	35.11	27.61		1493.1							
	OBS	01080	05.53	35.05	27.67		1491.1							

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REFID 31 8173	YEAR 1970	BOTDP 04670	AIR TEMP 18.8	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1206
CONSEC 0012	MONTH 05	SHIP EN	WET BULB 17.6	00 0 X	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 04	DATA USE 1	BAROMETR 1030.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 01 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E41 012	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.90	36.39	26.38		1517.9							
	OBS	00010	17.85	36.38	26.38		1517.9							
	OBS	00020	17.45	36.38	26.48		1516.9							
	OBS	00030	17.32	36.38	26.51		1516.7							
	OBS	00050	17.10	36.39	26.57		1516.3							
	OBS	00075	17.01	36.40	26.60		1516.5							
	OBS	00100	16.97	36.40	26.61		1516.8							
	OBS	00125	16.94	36.40	26.62		1517.1							
	OBS	00150	16.93	36.40	26.62		1517.5							
	OBS	00200	16.86	36.38	26.62		1518.1							
	OBS	00250	16.88	36.40	26.63		1519.0							
	OBS	00300	16.83	36.39	26.64		1519.6							
	OBS	00350	16.65	36.35	26.65		1519.9							
	OBS	00400	16.20	36.25	26.68		1519.2							
	OBS	00500	14.78	35.97	26.79		1516.1							
	OBS	00585	12.59	35.63	26.98		1509.9							
	OBS	00600	12.56	35.63	26.99		1510.0							
	OBS	00623	12.54	35.64	27.00		1510.3							
	OBS	00643	11.65	35.47	27.04		1507.4							
	OBS	00650	11.03	35.50	27.07		1507.5							
	OBS	00693	10.95	35.39	27.11		1505.7							
	OBS	00700	10.40	35.29	27.13		1503.7							
	OBS	00800	08.73	35.17	27.31		1499.1							
	OBS	00900	07.18	35.12	27.51		1494.7							
	OBS	01000	05.90	35.03	27.61		1491.2							
	OBS	01020	05.70	35.01	27.62		1490.7							
	OBS	01050	05.90	35.12	27.68		1492.2							
	OBS	01100	05.63	35.09	27.69		1491.9							
	OBS	01200	05.08	35.07	27.74		1491.3							
	OBS	01260	04.78	35.05	27.76		1491.0							
	OBS	01300	04.74	35.06	27.77		1491.6							
	OBS	01360	04.66	35.06	27.78		1492.2							
	OBS	01400	04.48	35.04	27.79		1492.1							
	OBS	01500	04.19	35.02	27.80		1492.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04480 AIR TEMP 19.7 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 05 SHIP EN WET BULB 15.7 02 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 04 DATA USE 1 BAROMETR 1030.0 SEA 2 WIND-FOR DURATION 00.9 2 SQUARE 48
LONG 048 01 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
18.0	OBS	00000	18.32	36.44	26.31		1519.1							
	OBS	00010	17.92	36.43	26.40		1518.1							
	OBS	00020	17.52	36.45	26.52		1517.2							
	OBS	00030	17.36	36.45	26.56		1516.9							
	OBS	00050	17.16	36.44	26.60		1516.6							
	OBS	00075	16.99	36.42	26.62		1516.5							
	OBS	00100	16.95	36.43	26.64		1516.8							
	OBS	00125	16.93	36.43	26.65		1517.1							
	OBS	00150	16.90	36.43	26.65		1517.4							
	OBS	00180	16.93	36.44	26.65		1518.0							
	OBS	00200	16.76	36.39	26.66		1517.8							
	OBS	00250	16.80	36.41	26.66		1518.8							
	OBS	00300	16.70	36.38	26.66		1519.2							
	OBS	00400	16.20	36.29	26.71		1519.3							
	OBS	00500	14.46	35.94	26.83		1515.0							
	OBS	00600	12.80	35.60	26.92		1510.8							
	OBS	00700	09.94	33.25	27.16		1502.0							
	OBS	00800	08.10	35.13	27.38		1496.6							
	OBS	00900	06.51	35.08	27.57		1492.1							
	OBS	01000	05.77	35.10	27.68		1490.8							
	OBS	01025	05.90	35.16	27.71		1491.8							
	OBS	01100	05.49	35.14	27.75		1491.4							
	OBS	01200	05.17	35.13	27.78		1491.7							
	OBS	01300	04.84	35.10	27.79		1492.0							
	OBS	01380	04.48	35.06	27.80		1491.8							
	OBS	01400	04.57	35.09	27.82		1492.6							
	OBS	01500	04.31	35.07	27.83		1493.1							
	OBS	01750	03.97	35.04	27.84		1495.9							
	OBS	02000	03.70	35.03	27.86		1499.0							
	OBS	02500	03.26	35.02	27.90		1505.7							
	OBS	03000	02.77	35.01	27.94		1512.2							

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REFID 31 8173 YEAR 1970 BOTDP 04297 AIR TEMP 18.1 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 05 SHIP EN WET BULB 17.8 00 0 X WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 02 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.1	OBS	00000	18.35	36.37	26.25		1519.1							
	OBS	00010	17.59	36.38	26.45		1517.1							
	OBS	00020	17.28	36.41	26.55		1516.4							
	OBS	00030	17.21	36.41	26.56		1516.4							
	OBS	00050	17.09	36.41	26.59		1516.3							
	OBS	00075	17.00	36.41	26.61		1516.5							
	OBS	00100	16.89	36.41	26.64		1516.6							
	OBS	00125	16.80	36.38	26.64		1516.7							
	OBS	00150	16.79	36.41	26.66		1517.1							
	OBS	00200	16.82	36.41	26.66		1518.0							
	OBS	00250	16.78	36.41	26.67		1518.7							
	OBS	00300	16.50	36.34	26.68		1518.6							
	OBS	00400	15.70	36.16	26.73		1517.6							
	OBS	00500	14.32	35.89	26.82		1514.5							
	OBS	00600	12.63	35.65	26.99		1510.3							
	OBS	00700	10.29	35.26	27.12		1503.3							
	OBS	00800	07.83	35.09	27.39		1495.6							
	OBS	00900	06.35	35.07	27.58		1491.4							
	OBS	00980	05.83	35.09	27.67		1490.7							
	OBS	01000	05.84	35.12	27.69		1491.1							
	OBS	01100	05.43	35.12	27.74		1491.1							
	OBS	01200	05.04	35.09	27.76		1491.2							
	OBS	01300	04.76	35.08	27.79		1491.7							
	OBS	01400	04.59	35.07	27.80		1492.6							
	OBS	01500	04.42	35.05	27.80		1493.6							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 04480	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 05	SHIP EN	WET BULB 15.8	00 0 X	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 05	DATA USE 1	BAROMETR 1029.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 05 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E61 015	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	18.32	36.40	26.28		1519.1							
	OBS	00010	17.71	36.40	26.43		1517.5							
	OBS	00020	17.43	36.40	26.50		1516.8							
	OBS	00030	17.14	36.42	26.59		1516.2							
	OBS	00050	17.04	36.42	26.61		1516.2							
	OBS	00075	16.90	36.41	26.64		1516.2							
	OBS	00100	16.80	36.40	26.65		1516.3							
	OBS	00125	16.75	36.39	26.66		1516.5							
	OBS	00135	16.71	36.38	26.66		1516.6							
	OBS	00150	16.79	36.41	26.66		1517.1							
	OBS	00200	16.77	36.40	26.66		1517.8							
	OBS	00250	16.62	36.34	26.65		1518.1							
	OBS	00300	16.50	36.33	26.67		1518.6							
	OBS	00370	16.30	36.28	26.68		1519.1							
	OBS	00400	15.93	36.20	26.70		1518.3							
	OBS	00455	15.14	36.05	26.77		1516.6							
	OBS	00500	14.24	35.89	26.84		1514.3							
	OBS	00600	12.69	35.64	26.97		1510.5							
	OBS	00700	09.96	35.27	27.19		1502.1							
	OBS	00710	09.64	35.22	27.20		1501.0							
	OBS	00740	09.57	35.23	27.22		1501.3							
	OBS	00800	08.29	35.13	27.35		1497.4							
	OBS	00820	08.20	35.11	27.35		1497.3							
	OBS	00850	07.80	35.11	27.41		1496.3							
	OBS	00900	06.66	35.04	27.52		1492.6							
	OBS	01000	05.76	35.03	27.63		1490.7							
	OBS	01050	05.81	35.09	27.67		1491.8							
	OBS	01100	05.61	35.11	27.71		1491.8							
	OBS	01200	05.16	35.09	27.75		1491.6							
	OBS	01300	04.83	35.06	27.76		1491.9							
	OBS	01400	04.61	35.05	27.78		1492.7							
	OBS	01500	04.38	35.03	27.79		1493.4							

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REFID 31 8173	YEAR 1970	BOTDP 03840	AIR TEMP 18.8	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 05	SHIP EN	WET BULB 18.3	00 0 X	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 05	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 17.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E61 016	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.2	OBS	00000	18.15	36.42	26.34		1518.6							
	OBS	00010	17.99	36.36	26.33		1518.3							
	OBS	00020	17.56	36.39	26.46		1517.2							
	OBS	00030	17.26	36.41	26.55		1516.5							
	OBS	00050	17.03	36.40	26.60		1516.1							
	OBS	00075	16.99	36.41	26.62		1516.5							
	OBS	00100	16.93	36.41	26.63		1516.7							
	OBS	00125	16.89	36.42	26.65		1517.0							
	OBS	00150	16.92	36.43	26.65		1517.5							
	OBS	00200	16.86	36.42	26.65		1518.1							
	OBS	00250	16.75	36.40	26.67		1518.6							
	OBS	00285	16.77	36.41	26.67		1519.2							
	OBS	00300	16.62	36.35	26.66		1519.0							
	OBS	00400	15.95	36.19	26.69		1518.4							
	OBS	00500	14.75	36.00	26.82		1516.0							
	OBS	00570	13.38	35.78	26.94		1512.5							
	OBS	00590	13.27	35.74	26.93		1512.4							
	OBS	00600	12.80	35.67	26.97		1510.9							
	OBS	00615	12.66	35.64	26.97		1510.6							
	OBS	00630	12.26	35.59	27.01		1509.4							
	OBS	00640	11.79	35.51	27.04		1507.9							
	OBS	00665	11.24	35.41	27.07		1506.3							
	OBS	00670	11.14	35.41	27.09		1505.0							
	OBS	00700	10.64	35.35	27.13		1504.6							
	OBS	00740	09.34	35.22	27.25		1500.4							
	OBS	00800	08.21	35.15	27.38		1497.1							
	OBS	00858	07.19	35.10	27.49		1494.1							
	OBS	00864	06.82	35.05	27.50		1492.6							
	OBS	00872	06.89	35.11	27.54		1493.1							
	OBS	00875	06.59	35.06	27.54		1491.9							
	OBS	00900	06.39	35.06	27.57		1491.6							
	OBS	01000	05.67	35.05	27.65		1490.3							
	OBS	01010	05.63	35.07	27.68		1490.4							
	OBS	01025	05.73	35.11	27.69		1491.1							
	OBS	01050	05.71	35.13	27.71		1491.4							
	OBS	01090	05.42	35.13	27.75		1490.9							
	OBS	01100	05.47	35.12	27.74		1491.3							
	OBS	01200	05.11	35.09	27.75		1491.4							
	OBS	01300	04.76	35.06	27.77		1491.6							
	OBS	01400	04.46	35.04	27.79		1492.0							
	OBS	01500	04.19	35.01	27.80		1492.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 01097 AIR TEMP 19.6 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 05 SHIP EN WET BULB 19.1 11 WIND-SPD 09 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 05 DATA USE 1 BAROMETR 1028.4 SEA 1 WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 47 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 017 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	18.71	36.42	26.20		1520.2							
	OBS	00010	18.14	36.38	26.31		1518.7							
	OBS	00020	17.65	36.41	26.46		1517.5							
	OBS	00030	17.29	36.41	26.54		1516.6							
	OBS	00050	17.16	36.42	26.58		1516.6							
	OBS	00075	16.98	36.41	26.62		1516.4							
	OBS	00100	16.89	36.41	26.64		1516.6							
	OBS	00125	16.81	36.39	26.64		1516.7							
	OBS	00150	16.83	36.39	26.64		1517.2							
	OBS	00180	16.85	36.40	26.64		1517.7							
	OBS	00200	16.77	36.39	26.65		1517.8							
	OBS	00210	16.73	36.37	26.65		1517.8							
	OBS	00250	16.81	36.40	26.65		1518.8							
	OBS	00300	16.74	36.38	26.65		1519.4							
	OBS	00370	16.33	36.30	26.69		1519.2							
	OBS	00380	16.10	36.23	26.69		1518.6							
	OBS	00400	16.09	36.24	26.70		1518.9							
	OBS	00408	16.09	36.25	26.71		1519.0							
	OBS	00500	15.00	36.01	26.77		1516.8							
	OBS	00550	14.01	35.87	26.87		1514.3							
	OBS	00580	13.88	35.85	26.89		1514.4							
	OBS	00600	12.95	35.68	26.95		1511.4							
	OBS	00700	10.56	35.24	27.06		1504.2							
	OBS	00800	08.55	35.18	27.35		1498.4							
	OBS	00844	07.72	35.08	27.40		1495.8							
	OBS	00855	07.77	35.14	27.44		1496.3							
	OBS	00900	07.02	35.10	27.52		1494.1							
	OBS	00970	06.67	35.15	27.60		1493.9							
	OBS	01000	06.25	35.10	27.62		1492.7							
	OBS	01040	05.96	35.12	27.67		1492.2							

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REFID 31 8173 YEAR 1970 BOTDP 02103 AIR TEMP 17.9 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 05 SHIP EN WET BULB 16.1 00 0 X WIND-SPD 11 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 06 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 51 W HOUR 01.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 018 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.3	OBS	00000	18.85	36.51	26.23		1520.7							
	OBS	00010	18.66	36.53	26.29		1520.4							
	OBS	00020	18.53	36.53	26.33		1520.2							
	OBS	00030	18.30	36.55	26.40		1519.7							
	OBS	00050	18.11	36.52	26.43		1519.5							
	OBS	00075	17.95	36.53	26.47		1519.4							
	OBS	00100	17.80	36.52	26.50		1519.4							
	OBS	00125	17.44	36.47	26.55		1518.7							
	OBS	00150	17.23	36.45	26.59		1518.4							
	OBS	00200	17.08	36.43	26.61		1518.8							
	OBS	00250	16.97	36.43	26.64		1519.3							
	OBS	00300	16.84	36.42	26.66		1519.7							
	OBS	00320	16.83	36.42	26.66		1520.0							
	OBS	00380	16.46	36.31	26.66		1519.7							
	OBS	00400	16.06	36.23	26.70		1518.8							
	OBS	00500	14.69	35.96	26.80		1515.8							
	OBS	00600	13.02	35.70	26.95		1511.7							
	OBS	00700	11.03	35.29	27.01		1505.9							
	OBS	00800	08.64	35.16	27.32		1498.7							
	OBS	00900	06.94	35.06	27.49		1493.7							
	OBS	01000	05.91	35.05	27.62		1491.3							
	OBS	01070	05.31	35.06	27.71		1490.0							
	OBS	01090	05.28	35.06	27.71		1490.3							
	OBS	01100	05.36	35.09	27.72		1490.8							
	OBS	01200	04.75	35.03	27.75		1489.9							
	OBS	01300	04.54	35.04	27.78		1490.7							
	OBS	01400	04.57	35.07	27.80		1492.5							
	OBS	01500	04.38	35.06	27.81		1493.4							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 01554 AIR TEMP 18.1 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0019 MONTH 05 SHIP EN WET BULB 16.1 00 0 X WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 09 N DAY 06 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 51 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 019 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	18.73	36.49	26.25		1520.4							
	OBS	00010	18.50	36.53	26.34		1519.9							
	OBS	00020	18.40	36.54	26.37		1519.8							
	OBS	00030	18.31	36.55	26.40		1519.7							
	OBS	00050	18.11	36.52	26.43		1519.5							
	OBS	00075	17.93	36.51	26.46		1519.3							
	OBS	00100	17.40	36.45	26.55		1518.1							
	OBS	00125	17.22	36.44	26.58		1518.0							
	OBS	00150	17.07	36.42	26.60		1517.9							
	OBS	00175	16.93	36.39	26.61		1517.8							
	OBS	00200	16.92	36.41	26.63		1518.3							
	OBS	00250	16.93	36.38	26.63		1518.8							
	OBS	00300	16.89	36.41	26.64		1519.8							
	OBS	00370	16.79	36.39	26.65		1520.7							
	OBS	00400	16.31	36.26	26.66		1519.6							
	OBS	00500	15.06	36.01	26.75		1517.0							
	OBS	00600	13.37	35.70	26.88		1512.8							
	OBS	00700	11.25	35.34	27.01		1506.8							
	OBS	00800	08.45	35.08	27.29		1497.9							
	OBS	00900	06.89	35.03	27.48		1493.5							
	OBS	01000	05.84	35.02	27.61		1491.0							
	OBS	01010	06.07	35.07	27.62		1492.1							
	OBS	01040	05.97	35.10	27.66		1492.3							
	OBS	01050	05.65	35.04	27.65		1491.1							
	OBS	01057	05.74	35.10	27.69		1491.6							
	OBS	01100	05.45	35.07	27.70		1491.1							
	OBS	01200	04.83	35.02	27.73		1490.2							
	OBS	01300	04.42	35.00	27.76		1490.2							
	OBS	01400	04.23	34.99	27.78		1491.0							
	OBS	01460	04.18	34.99	27.78		1491.8							

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REFID 31 8173 YEAR 1970 BOTDP 04663 AIR TEMP 19.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0020 MONTH 05 SHIP EN WET BULB 16.6 15 0 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 06 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 49 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 020 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.75	36.47	26.23		1520.4							
	OBS	00010	18.59	36.44	26.24		1520.1							
	OBS	00020	18.08	36.41	26.35		1516.7							
	OBS	00030	18.04	36.45	26.39		1518.8							
	OBS	00050	17.78	36.44	26.45		1518.4							
	OBS	00075	17.64	36.46	26.50		1518.4							
	OBS	00100	17.49	36.43	26.51		1518.4							
	OBS	00125	17.25	36.44	26.58		1518.1							
	OBS	00150	17.18	36.44	26.59		1518.3							
	OBS	00200	17.04	36.43	26.62		1518.7							
	OBS	00250	16.99	36.43	26.63		1519.3							
	OBS	00300	16.85	36.41	26.65		1519.7							
	OBS	00400	15.98	36.23	26.72		1518.5							
	OBS	00440	15.49	36.14	26.76		1517.5							
	OBS	00460	15.35	36.11	26.77		1517.4							
	OBS	00500	14.54	35.96	26.83		1515.3							
	OBS	00600	12.85	35.70	26.98		1511.1							
	OBS	00700	10.48	35.34	27.15		1504.1							
	OBS	00800	08.17	35.13	27.37		1496.9							
	OBS	00875	06.74	35.08	27.54		1492.5							
	OBS	00900	06.73	35.13	27.58		1493.0							
	OBS	00910	06.77	35.15	27.59		1493.3							
	OBS	01000	05.65	35.04	27.65		1490.2							
	OBS	01020	05.42	35.05	27.69		1489.6							
	OBS	01040	05.44	35.09	27.71		1490.1							
	OBS	01060	05.33	35.06	27.70		1490.0							
	OBS	01080	05.51	35.12	27.73		1491 1							
	OBS	01100	05.46	35.15	27.74		1491.2							
	OBS	01200	05.08	35.10	27.77		1491.3							
	OBS	01300	04.76	35.08	27.79		1491.7							
	OBS	01400	04.46	35.07	27.81		1492.2							
	OBS	01500	04.28	35.05	27.82		1493.0							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 02926 AIR TEMP 19.8 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0021 MONTH 05 SHIP EN WET BULB 17.2 14 0 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 06 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 52 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 021 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	OBS	00000	19.17	36.49	26.13		1521.6							
	OBS	00010	18.94	36.43	26.15		1521.0							
	OBS	00020	18.49	36.49	26.31		1520.0							
	OBS	00030	18.23	36.55	26.42		1519.5							
	OBS	00050	18.04	36.53	26.45		1519.3							
	OBS	00075	17.70	36.45	26.47		1518.6							
	OBS	00100	17.38	36.45	26.55		1518.1							
	OBS	00125	17.17	36.45	26.60		1517.9							
	OBS	00150	17.06	36.43	26.61		1517.9							
	OBS	00200	17.00	36.43	26.63		1518.6							
	OBS	00250	16.96	36.42	26.63		1519.2							
	OBS	00300	16.84	36.40	26.64		1519.7							
	OBS	00360	16.70	36.40	26.68		1520.3							
	OBS	00400	16.18	36.28	26.71		1519.2							
	OBS	00500	14.99	35.95	26.72		1516.7							
	OBS	00600	13.06	35.72	26.96		1511.8							
	OBS	00700	10.94	35.39	27.11		1505.8							
	OBS	00800	08.49	35.16	27.34		1498.2							
	OBS	00900	07.06	35.11	27.52		1494.3							
	OBS	01000	06.33	35.13	27.63		1493.1							
	OBS	01060	05.39	35.02	27.67		1490.1							
	OBS	01100	05.13	35.04	27.71		1489.8							
	OBS	01180	05.00	35.07	27.75		1490.6							
	OBS	01200	05.17	35.11	27.76		1491.7							
	OBS	01240	04.93	35.10	27.78		1491.4							
	OBS	01300	04.91	35.09	27.78		1492.3							
	OBS	01400	04.61	35.07	27.80		1492.7							
	OBS	01500	04.38	35.05	27.81		1493.4							
	OBS	01750	04.03	35.04	27.84		1496.2							
	OBS	02000	03.74	35.02	27.85		1499.2							
	OBS	02500	03.31	35.00	27.88		1505.8							
	OBS	02780	03.03	34.98	27.89		1509.5							

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REFID 31 8173 YEAR 1970 BOTDP 04846 AIR TEMP 19.6 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0022 MONTH 05 SHIP EN WET BULB 18.6 13 0 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 07 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 48 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 022 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.79	36.44	26.19		1520.5							
	OBS	00010	18.62	36.44	26.24		1520.2							
	OBS	00020	18.49	36.47	26.29		1520.0							
	OBS	00028	18.29	36.47	26.34		1519.5							
	OBS	00030	17.89	36.40	26.39		1518.3							
	OBS	00050	17.61	36.41	26.47		1517.9							
	OBS	00075	17.66	36.47	26.50		1518.5							
	OBS	00100	17.45	36.46	26.54		1518.3							
	OBS	00125	17.30	36.45	26.57		1518.2							
	OBS	00150	17.12	36.42	26.59		1518.1							
	OBS	00200	16.93	36.41	26.63		1518.3							
	OBS	00250	16.82	36.39	26.64		1518.8							
	OBS	00300	16.60	36.33	26.65		1518.9							
	OBS	00400	15.41	36.11	26.75		1516.6							
	OBS	00500	14.13	35.88	26.86		1513.9							
	OBS	00600	12.55	35.63	26.99		1510.0							
	OBS	00700	10.45	35.33	27.15		1503.9							
	OBS	00800	07.98	35.07	27.35		1496.1							
	OBS	00880	06.78	35.07	27.52		1492.8							
	OBS	00900	06.74	35.10	27.55		1493.0							
	OBS	01000	05.37	35.02	27.67		1489.1							
	OBS	01060	05.12	35.06	27.73		1489.1							
	OBS	01100	05.13	35.09	27.75		1489.9							
	OBS	01125	05.30	35.12	27.76		1491.0							
	OBS	01200	05.07	35.10	27.77		1491.3							
	OBS	01300	04.74	35.08	27.79		1491.6							
	OBS	01400	04.48	35.06	27.80		1492.2							
	OBS	01500	04.30	35.05	27.82		1493.1							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 04663 AIR TEMP 19.1 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0023 MONTH 05 SHIP EN WET BULB 18.7 15 1 3 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 07 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 50 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 023 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	18.85	36.48	26.21		1520.7							
	OBS	00010	18.85	36.48	26.21		1520.9							
	OBS	00020	18.65	36.46	26.24		1520.4							
	OBS	00030	18.49	36.39	26.23		1520.1							
	OBS	00050	18.02	36.45	26.39		1519.1							
	OBS	00075	17.63	36.46	26.50		1518.4							
	OBS	00100	17.52	36.45	26.52		1518.5							
	OBS	00125	17.36	36.43	26.54		1518.4							
	OBS	00150	17.23	36.43	26.57		1518.4							
	OBS	00200	17.00	36.41	26.61		1518.5							
	OBS	00250	16.91	36.41	26.63		1519.1							
	OBS	00300	16.75	36.38	26.65		1519.4							
	OBS	00330	16.78	36.40	26.66		1520.0							
	OBS	00400	15.80	36.17	26.71		1517.9							
	OBS	00500	14.68	35.99	26.82		1515.8							
	OBS	00600	12.82	35.69	26.98		1511.0							
	OBS	00700	11.03	35.38	27.08		1506.1							
	OBS	00800	08.34	35.09	27.31		1497.5							
	OBS	00900	06.86	35.13	27.56		1493.5							
	OBS	00910	06.93	35.16	27.57		1494.0							
	OBS	01000	05.64	35.05	27.66		1490.2							
	OBS	01060	05.20	35.06	27.72		1489.4							
	OBS	01100	05.39	35.13	27.75		1491.0							
	OBS	01200	05.02	35.10	27.77		1491.1							
	OBS	01300	04.67	35.08	27.80		1491.3							
	OBS	01400	04.45	35.07	27.81		1492.0							
	OBS	01500	04.22	35.06	27.83		1492.8							

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REFID 31 8173 YEAR 1970 BOTOP 04210 AIR TEMP 21.1 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 05 SHIP EN WET BULB 19.3 14 2 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 07 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 47 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 024 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.83	36.36	26.12		1520.5							
	OBS	00010	18.69	36.37	26.16		1520.3							
	OBS	00020	18.18	36.39	26.31		1519.0							
	OBS	00030	17.96	36.40	26.37		1518.5							
	OBS	00050	17.75	36.42	26.44		1518.3							
	OBS	00075	17.42	36.40	26.50		1517.7							
	OBS	00100	17.29	36.41	26.54		1517.7							
	OBS	00125	17.20	36.40	26.56		1517.9							
	OBS	00150	17.14	36.39	26.56		1518.1							
	OBS	00200	17.01	36.39	26.60		1518.5							
	OBS	00250	16.96	36.39	26.61		1519.2							
	OBS	00300	16.90	36.39	26.62		1519.9							
	OBS	00330	16.84	36.37	26.62		1520.1							
	OBS	00400	15.91	36.17	26.69		1518.2							
	OBS	00435	15.76	36.14	26.70		1518.3							
	OBS	00500	14.72	35.94	26.78		1515.9							
	OBS	00600	12.92	35.63	26.91		1511.2							
	OBS	00700	10.96	35.31	27.04		1505.7							
	OBS	00800	08.24	35.15	27.37		1497.2							
	OBS	00885	06.92	35.17	27.53		1493.4							
	OBS	00900	07.00	35.11	27.53		1494.0							
	OBS	01000	05.90	35.03	27.61		1491.2							
	OBS	01040	05.47	35.00	27.64		1490.1							
	OBS	01075	05.76	35.11	27.69		1492.0							
	OBS	01100	05.65	35.10	27.70		1492.0							
	OBS	01200	05.21	35.09	27.73		1491.8							
	OBS	01300	04.82	35.05	27.76		1491.9							
	OBS	01400	04.57	35.04	27.78		1492.5							
	OBS	01500	04.42	35.01	27.77		1493.5							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04480 AIR TEMP 19.7 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 05 SHIP EN WET BULB 18.6 15 2 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 07 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 54 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 025 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	18.92	36.45	26.17		1520.8							
	OBS	00010	18.67	36.42	26.21		1520.3							
	OBS	00020	18.47	36.44	26.27		1519.9							
	OBS	00030	18.15	36.48	26.36		1519.2							
	OBS	00050	17.89	36.48	26.45		1518.8							
	OBS	00075	17.58	36.46	26.51		1518.3							
	OBS	00100	17.50	36.45	26.52		1518.4							
	OBS	00125	17.37	36.43	26.54		1518.4							
	OBS	00150	17.22	36.41	26.56		1518.4							
	OBS	00200	17.02	36.41	26.61		1518.6							
	OBS	00250	16.91	36.39	26.62		1519.1							
	OBS	00290	16.75	36.36	26.63		1519.2							
	OBS	00300	16.80	36.40	26.65		1519.6							
	OBS	00310	16.84	36.40	26.64		1519.8							
	OBS	00400	16.06	36.19	26.67		1518.7							
	OBS	00500	14.70	35.97	26.80		1515.8							
	OBS	00600	13.04	35.69	26.94		1511.7							
	OBS	00700	10.89	35.37	27.10		1505.6							
	OBS	00800	08.88	35.15	27.27		1499.6							
	OBS	00855	06.86	35.05	27.50		1493.4							
	OBS	00900	06.89	35.07	27.51		1493.5							
	OBS	00910	06.98	35.15	27.56		1494.2							
	OBS	01000	05.83	35.05	27.63		1491.0							
	OBS	01065	05.32	35.02	27.67		1489.9							
	OBS	01100	05.65	35.12	27.71		1492.0							
	OBS	01200	05.22	35.10	27.75		1491.9							
	OBS	01300	04.79	35.07	27.78		1491.8							
	OBS	01400	04.63	35.05	27.78		1492.8							
	OBS	01500	04.25	35.02	27.80		1492.8							
	OBS	01[illegible]	04.01	35.00	27.81		1493.8							
	OBS	01750	03.89	35.01	27.83		1495.5							
	OBS	02000	03.78	35.01	27.84		1499.3							
	OBS	02500	03.32	35.00	27.88		1505.9							
	OBS	03000	02.95	34.99	27.90		1512.9							

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REFID 31 8173 YEAR 1970 BOTDP 04295 AIR TEMP 19.7 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0026 MONTH 05 SHIP EN WET BULB 18.4 15 2 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 08 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 51 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 026 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.86	36.44	26.17		1520.7							
	OBS	00010	18.78	36.43	26.19		1520.6							
	OBS	00020	18.50	36.44	26.27		1520.0							
	OBS	00030	18.26	36.43	26.32		1519.4							
	OBS	00050	17.89	36.43	26.41		1518.7							
	OBS	00075	17.64	36.47	26.50		1518.4							
	OBS	00100	17.51	36.47	26.54		1518.5							
	OBS	00125	17.29	36.44	26.57		1518.2							
	OBS	00150	17.12	36.43	26.60		1518.1							
	OBS	00200	16.99	36.42	26.62		1518.5							
	OBS	00250	16.90	36.41	26.64		1519.1							
	OBS	00300	16.87	36.40	26.64		1519.8							
	OBS	00310	16.78	36.36	26.63		1519.6							
	OBS	00400	15.77	36.17	26.72		1517.8							
	OBS	00450	15.58	36.14	26.74		1518.0							
	OBS	00470	15.18	36.03	26.74		1516.9							
	OBS	00500	14.65	35.96	26.81		1515.7							
	OBS	00600	12.85	35.67	26.96		1511.1							
	OBS	00700	10.90	35.27	27.02		1505.5							
	OBS	00800	08.25	35.15	27.37		1497.2							
	OBS	00840	07.81	35.14	27.43		1496.2							
	OBS	00870	07.06	35.12	27.53		1493.8							
	OBS	00875	07.15	35.14	27.53		1494.2							
	OBS	00880	07.03	35.12	27.53		1493.8							
	OBS	00900	06.91	35.11	27.54		1493.7							
	OBS	01000	05.80	35.04	27.63		1490.8							
	OBS	01025	05.57	35.05	27.67		1490.3							
	OBS	01070	05.78	35.12	27.70		1492.0							
	OBS	01100	05.66	35.09	27.69		1492.0							
	OBS	01200	05.19	35.09	27.75		1491.8							
	OBS	01300	04.84	35.07	27.77		1492.0							
	OBS	01400	04.57	35.05	27.79		1492.5							
	OBS	01445	04.41	35.02	27.78		1492.6							
	OBS	01500	04.42	35.04	27.79		1493.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04004 AIR TEMP 19.3 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0027 MONTH 05 SHIP EN WET BULB 18.4 15 1 3 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 08 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 57 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 027 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.2	OBS	00000	18.59	36.43	26.24		1519.9							
	OBS	00010	18.51	36.43	26.26		1519.8							
	OBS	00020	17.78	36.40	26.42		1517.9							
	OBS	00030	17.54	36.40	26.47		1517.3							
	OBS	00050	17.31	36.43	26.55		1517.0							
	OBS	00075	17.22	36.40	26.55		1517.1							
	OBS	00100	17.00	36.40	26.61		1516.9							
	OBS	00125	16.92	36.41	26.63		1517.1							
	OBS	00150	16.90	36.41	26.64		1517.4							
	OBS	00200	16.85	36.40	26.64		1518.1							
	OBS	00250	16.80	36.41	26.66		1518.8							
	OBS	00300	16.75	36.39	26.66		1519.4							
	OBS	00400	16.52	36.35	26.68		1520.3							
	OBS	00410	16.52	36.35	26.68		1520.5							
	OBS	00500	14.97	35.96	26.75		1516.7							
	OBS	00600	13.14	35.70	26.92		1512.1							
	OBS	00700	10.70	35.37	27.14		1504.9							
	OBS	00800	08.28	35.11	27.34		1497.3							
	OBS	00900	06.63	35.05	27.53		1492.5							
	OBS	01000	05.97	35.03	27.60		1491.5							
	OBS	01100	05.60	35.11	27.71		1491.8							
	OBS	01200	05.18	35.09	27.75		1491.7							
	OBS	01255	05.10	35.09	27.76		1492.3							
	OBS	01300	04.90	35.07	27.76		1492.2							
	OBS	01400	04.53	35.04	27.78		1492.3							
	OBS	01420	04.52	35.04	27.78		1492.6							
	OBS	01500	04.41	35.05	27.80		1493.5							

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REFID 31 8173 YEAR 1970 BOTDP 03749 AIR TEMP 20.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0028 MONTH 05 SHIP EN WET BULB 19.2 15 1 2 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 08 DATA USE 1 BAROMETR 1023.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 028 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	18.54	36.42	26.24		1519.7							
	OBS	00007	18.54	36.42	26.24		1519.9							
	OBS	00010	18.34	36.36	26.25		1519.3							
	OBS	00020	17.56	36.40	26.47		1517.2							
	OBS	00030	17.31	36.42	26.55		1516.7							
	OBS	00050	17.06	36.40	26.59		1516.2							
	OBS	00075	16.96	36.41	26.62		1516.4							
	OBS	00100	16.93	36.41	26.63		1516.7							
	OBS	00125	16.92	36.42	26.64		1517.1							
	OBS	00150	16.86	36.41	26.65		1517.3							
	OBS	00200	16.81	36.40	26.65		1516.0							
	OBS	00250	16.77	36.39	26.65		1516.6							
	OBS	00265	16.77	36.39	26.65		1518.9							
	OBS	00300	16.65	36.35	26.65		1519.1							
	OBS	00400	16.51	36.32	26.66		1520.2							
	OBS	00500	14.60	35.97	26.78		1516.2							
	OBS	00560	13.54	35.78	26.90		1512.8							
	OBS	00600	13.13	35.66	26.90		1512.0							
	OBS	00700	10.28	35.26	27.13		1503.2							
	OBS	00755	08.64	35.12	27.29		1497.9							
	OBS	00780	08.61	35.13	27.30		1498.2							
	OBS	00800	08.40	35.14	27.34		1497.8							
	OBS	00835	07.76	35.12	27.42		1495.9							
	OBS	00900	07.03	35.08	27.50		1494.1							
	OBS	01000	05.94	35.09	27.65		1491.5							
	OBS	01100	05.59	35.12	27.72		1491.8							
	OBS	01200	05.09	35.09	27.76		1491.4							
	OBS	01300	04.74	35.06	27.77		1491.6							
	OBS	01400	04.53	35.06	27.80		1492.4							
	OBS	01490	04.29	35.04	27.81		1492.9							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 04389	AIR TEMP 20.2	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0029	MONTH 05	SHIP EN	WET BULB 18.9	16 2 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 08	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 047 59 W	HOUR 17.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 029	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.7	OBS	00000	18.75	36.45	26.21		1520.4							
	OBS	00010	18.53	36.51	26.31		1520.0							
	OBS	00020	18.18	36.49	26.39		1519.1							
	OBS	00030	17.88	36.46	26.44		1518.4							
	OBS	00050	17.60	36.46	26.51		1517.9							
	OBS	00075	17.49	36.45	26.53		1518.0							
	OBS	00100	17.28	36.44	26.57		1517.8							
	OBS	00125	17.24	36.42	26.56		1518.0							
	OBS	00150	17.07	36.42	26.60		1517.9							
	OBS	00200	16.93	36.42	26.64		1518.3							
	OBS	00250	16.88	36.40	26.63		1519.0							
	OBS	00300	16.87	36.42	26.65		1519.8							
	OBS	00400	16.47	36.35	26.64		1520.2							
	OBS	00500	14.76	35.96	26.78		1516.0							
	OBS	00600	12.93	35.63	26.91		1511.3							
	OBS	00700	10.72	35.35	27.12		1504.9							
	OBS	00800	08.27	35.10	27.33		1497.2							
	OBS	00900	06.44	35.05	27.56		1491.7							
	OBS	01000	05.70	35.07	27.67		1490.5							
	OBS	01030	05.80	35.13	27.70		1491.5							
	OBS	01100	05.53	35.12	27.73		1491.5							
	OBS	01200	05.03	35.07	27.75		1491.1							
	OBS	01300	04.82	35.04	27.75		1491.9							
	OBS	01400	04.49	35.01	27.76		1492.1							
	OBS	01500	04.24	34.97	27.76		1492.7							
	OBS	01750	03.94	34.97	27.79		1495.7							
	OBS	02000	03.73	34.96	27.80		1499.0							
	OBS	02390	03.35	34.95	27.83		1504.1							

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REFID 31 8173	YEAR 1970	BOTDP 04389	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0030	MONTH 05	SHIP EN	WET BULB 18.8	17 2 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 09	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 047 55 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 030	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	19.07	36.53	26.19		1521.4							
	OBS	00010	19.00	36.51	26.19		1521.3							
	OBS	00020	18.48	36.42	26.26		1519.9							
	OBS	00030	17.99	36.48	26.42		1518.7							
	OBS	00050	17.61	36.46	26.50		1517.9							
	OBS	00075	17.46	36.45	26.53		1517.9							
	OBS	00100	17.35	36.44	26.55		1518.0							
	OBS	00125	17.18	36.41	26.57		1517.8							
	OBS	00150	17.08	36.42	26.60		1518.0							
	OBS	00200	17.00	36.42	26.62		1518.5							
	OBS	00250	16.89	36.40	26.63		1519.0							
	OBS	00275	16.91	36.40	26.63		1519.5							
	OBS	00300	16.77	36.37	26.64		1519.4							
	OBS	00400	15.57	36.12	26.72		1517.1							
	OBS	00430	15.48	36.11	26.74		1517.3							
	OBS	00500	14.36	35.90	26.82		1514.7							
	OBS	00600	12.52	35.60	26.97		1509.8							
	OBS	00700	10.22	35.30	27.17		1503.1							
	OBS	00800	08.20	35.16	27.39		1497.1							
	OBS	00860	07.47	35.13	27.47		1495.2							
	OBS	00890	07.39	35.14	27.49		1495.4							
	OBS	00900	07.03	35.07	27.49		1494.1							
	OBS	01000	05.88	35.05	27.63		1491.2							
	OBS	01025	05.65	35.04	27.65		1490.6							
	OBS	01060	05.85	35.12	27.69		1492.1							
	OBS	01100	05.73	35.13	27.71		1492.3							
	OBS	01180	05.24	35.10	27.75		1491.6							
	OBS	01200	05.23	35.11	27.76		1492.0							
	OBS	01300	04.89	35.09	27.78		1492.2							
	OBS	01400	04.63	35.06	27.79		1492.8							
	OBS	01500	04.51	35.07	27.81		1494.0							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04297 AIR TEMP 19.6 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0031 MONTH 05 SHIP EN WET BULB 19.3 18 2 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 09 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E41 031 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.97	36.51	26.20		1521.1							
	OBS	00010	18.94	36.51	26.21		1521.1							
	OBS	00018	18.89	36.50	26.21		1521.1							
	OBS	00020	18.74	36.45	26.21		1520.7							
	OBS	00030	18.13	36.46	26.37		1519.1							
	OBS	00050	17.82	36.46	26.45		1518.5							
	OBS	00075	17.63	36.45	26.49		1518.4							
	OBS	00100	17.43	36.44	26.53		1518.2							
	OBS	00125	17.11	36.41	26.59		1517.6							
	OBS	00150	17.03	36.41	26.61		1517.8							
	OBS	00200	16.96	36.42	26.63		1518.4							
	OBS	00250	16.92	36.42	26.64		1519.1							
	OBS	00300	16.63	36.36	26.66		1519.0							
	OBS	00400	15.68	36.17	26.74		1517.5							
	OBS	00415	15.62	36.17	26.75		1517.6							
	OBS	00450	14.92	36.02	26.79		1515.8							
	OBS	00500	14.29	35.91	26.85		1514.4							
	OBS	00600	12.82	35.68	26.97		1511.0							
	OBS	00700	10.58	35.35	27.14		1504.4							
	OBS	00765	09.02	35.19	27.28		1499.6							
	OBS	00780	08.88	35.21	27.32		1499.4							
	OBS	00795	08.67	35.18	27.33		1498.8							
	OBS	00800	08.73	35.23	27.36		1499.1							
	OBS	00820	08.25	35.16	27.38		1497.6							
	OBS	00860	07.52	35.13	27.47		1495.4							
	OBS	00900	07.29	35.16	27.52		1495.2							
	OBS	01000	05.66	35.06	27.66		1490.3							
	OBS	01030	05.69	35.09	27.68		1491.0							
	OBS	01070	05.65	35.14	27.70		1492.3							
	OBS	01100	05.68	35.13	27.72		1492.1							
	OBS	01200	05.26	35.11	27.75		1492.1							
	OBS	01300	04.99	35.10	27.78		1492.6							
	OBS	01400	04.64	35.07	27.79		1492.8							
	OBS	01500	04.55	35.07	27.80		1494.1							

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REFID 31 8173 YEAR 1970 BOTDP 04389 AIR TEMP 19.9 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0032 MONTH 05 SHIP EN WET BULB 18.4 20 3 2 WIND-SPD 07 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 09 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 56 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E41 032 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	18.86	36.44	26.17		1520.7							
	OBS	00010	18.64	36.44	26.23		1520.2							
	OBS	00020	18.41	36.47	26.31		1519.8							
	OBS	00030	18.24	36.47	26.35		1519.4							
	OBS	00050	17.83	36.47	26.46		1518.6							
	OBS	00075	17.54	36.44	26.51		1518.1							
	OBS	00100	17.35	36.44	26.55		1518.0							
	OBS	00125	17.23	36.42	26.57		1518.0							
	OBS	00150	17.11	36.42	26.59		1518.0							
	OBS	00200	16.95	36.41	26.63		1518.4							
	OBS	00250	16.88	36.40	26.63		1519.0							
	OBS	00300	16.69	36.36	26.65		1519.2							
	OBS	00400	16.01	36.19	26.68		1518.6							
	OBS	00500	14.39	35.89	26.81		1514.7							
	OBS	00600	12.88	35.66	26.95		1511.1							
	OBS	00700	10.83	35.32	27.07		1505.3							
	OBS	00800	08.49	35.11	27.30		1498.1							
	OBS	00900	06.44	35.02	27.53		1491.7							
	OBS	01000	05.85	35.07	27.65		1491.1							
	OBS	01020	05.76	35.07	27.66		1491.0							
	OBS	01050	05.80	35.11	27.69		1491.8							
	OBS	01100	05.57	35.10	27.71		1491.7							
	OBS	01200	05.04	35.07	27.75		1491.1							
	OBS	01300	04.76	35.06	27.77		1491.6							
	OBS	01360	04.69	35.06	27.78		1492.4							
	OBS	01400	04.51	35.04	27.78		1492.3							
	OBS	01500	04.25	34.99	27.77		1492.8							
	OBS	01750	03.98	34.98	27.79		1495.9							
	OBS	02000	03.76	34.97	27.81		1499.2							
	OBS	02500	03.25	34.96	27.85		1505.5							
	OBS	03000	02.81	34.94	27.88		1512.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 19.0 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0033 MONTH 05 SHIP EN WET BULB 18.4 00 0 X WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 10 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 58 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 033 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	19.44	36.47	26.05		1522.3							
	OBS	00010	19.10	36.46	26.13		1521.5							
	OBS	00020	18.61	36.36	26.16		1520.2							
	OBS	00030	18.46	36.44	26.26		1520.0							
	OBS	00050	17.78	36.44	26.45		1518.4							
	OBS	00075	17.63	36.44	26.48		1518.4							
	OBS	00100	17.48	36.44	26.52		1518.3							
	OBS	00125	17.30	36.42	26.55		1518.2							
	OBS	00150	17.20	36.41	26.56		1518.3							
	OBS	00200	17.06	36.41	26.60		1518.7							
	OBS	00250	16.97	36.40	26.61		1519.3							
	OBS	00300	16.76	36.37	26.64		1519.4							
	OBS	00400	15.84	36.19	26.72		1518.0							
	OBS	00460	15.44	36.14	26.77		1517.7							
	OBS	00500	14.64	35.96	26.81		1515.6							
	OBS	00600	12.58	35.64	26.99		1510.1							
	OBS	00700	10.51	35.33	27.14		1504.1							
	OBS	00730	09.90	35.30	27.22		1502.4							
	OBS	00760	08.82	35.19	27.32		1498.8							
	OBS	00800	08.35	35.17	27.37		1497.6							
	OBS	00900	07.04	35.12	27.53		1494.2							
	OBS	00975	05.96	35.06	27.63		1491.1							
	OBS	01000	05.95	35.12	27.67		1491.5							
	OBS	01100	05.52	35.11	27.72		1491.5							
	OBS	01200	05.05	35.09	27.76		1491.2							
	OBS	01300	04.65	35.05	27.78		1491.2							
	OBS	01400	04.40	35.03	27.79		1491.8							
	OBS	01500	04.19	35.02	27.80		1492.6							

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REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 19.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0034 MONTH 05 SHIP EN WET BULB 18.9 19 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 10 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 55 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 034 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	19.16	36.48	26.13		1521.6							
	OBS	00010	19.15	36.48	26.13		1521.7							
	OBS	00011	18.89	36.40	26.14		1520.9							
	OBS	00020	18.58	36.43	26.24		1520.2							
	OBS	00030	18.37	36.40	26.27		1519.7							
	OBS	00050	17.80	36.44	26.44		1518.5							
	OBS	00075	17.59	36.43	26.49		1518.2							
	OBS	00100	17.58	36.46	26.51		1518.7							
	OBS	00125	17.38	36.42	26.53		1518.4							
	OBS	00150	17.17	36.42	26.58		1518.2							
	OBS	00200	17.03	36.42	26.61		1518.6							
	OBS	00250	16.91	36.40	26.63		1519.1							
	OBS	00300	16.77	36.37	26.64		1519.4							
	OBS	00340	16.52	36.32	26.66		1519.3							
	OBS	00400	15.70	36.15	26.72		1517.6							
	OBS	00500	14.63	35.95	26.80		1515.6							
	OBS	00600	12.63	35.63	26.97		1510.3							
	OBS	00700	10.98	35.33	27.05		1505.8							
	OBS	00800	08.58	35.09	27.28		1498.4							
	OBS	00825	07.91	35.10	27.39		1496.3							
	OBS	00835	08.04	35.17	27.42		1497.0							
	OBS	00900	07.18	35.13	27.52		1494.8							
	OBS	01000	05.77	35.07	27.66		1490.8							
	OBS	01025	05.87	35.11	27.68		1491.6							
	OBS	01050	05.80	35.12	27.69		1491.8							
	OBS	01100	05.63	35.12	27.72		1491.9							
	OBS	01200	05.12	35.08	27.75		1491.5							
	OBS	01290	04.97	35.07	27.76		1492.3							
	OBS	01300	04.87	35.07	27.77		1492.1							
	OBS	01400	04.42	35.03	27.79		1491.9							
	OBS	01500	04.22	35.01	27.79		1492.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 19.5 DIP HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0035 MONTH 05 SHIP EN WET BULB 19.3 20 1 2 WIND-SPD 09 TRACE DIR D 5 SQUARE 2
LAT 34 44 N DAY 10 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 035 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	19.27	36.45	26.08		1521.8							
	OBS	00010	19.24	36.44	26.08		1521.9							
	OBS	00020	18.99	36.43	26.13		1521.3							
	OBS	00030	18.55	36.49	26.29		1520.3							
	OBS	00050	18.07	36.47	26.40		1519.3							
	OBS	00075	17.64	36.48	26.51		1518.5							
	OBS	00100	17.48	36.44	26.52		1518.3							
	OBS	00125	17.21	36.42	26.57		1517.9							
	OBS	00150	17.15	36.42	26.58		1518.2							
	OBS	00200	17.03	36.42	26.61		1518.6							
	OBS	00250	16.94	36.40	26.62		1519.2							
	OBS	00290	16.85	36.40	26.64		1519.5							
	OBS	00300	16.76	36.38	26.65		1519.4							
	OBS	00400	15.89	36.17	26.89		1518.2							
	OBS	00500	14.70	35.97	26.80		1515.8							
	OBS	00600	12.92	35.68	26.95		1511.3							
	OBS	00700	10.95	35.41	27.12		1505.3							
	OBS	00800	08.37	35.10	27.32		1497.6							
	OBS	00900	06.89	35.12	27.55		1493.6							
	OBS	00980	05.85	35.05	27.63		1490.7							
	OBS	01000	05.82	35.10	27.68		1491.0							
	OBS	01010	05.95	35.12	27.67		1491.7							
	OBS	01100	05.52	35.12	27.73		1491.5							
	OBS	01200	05.09	35.08	27.75		1491.3							
	OBS	01210	05.03	35.08	27.76		1491.3							
	OBS	01260	04.99	35.10	27.78		1492.0							
	OBS	01300	04.72	35.07	27.78		1491.5							
	OBS	01340	04.51	35.04	27.78		1491.2							

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REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 23.4 DIP HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0036 MONTH 05 SHIP EN WET BULB 20.5 18 1 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 10 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 56 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 036 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	19.42	36.42	26.01		1522.2							
	OBS	00010	19.29	36.44	26.06		1522.0							
	OBS	00020	18.13	36.30	26.25		1518.8							
	OBS	00030	18.19	36.45	26.35		1519.3							
	OBS	00040	18.09	36.43	26.36		1519.1							
	OBS	00050	18.04	36.46	26.40		1519.2							
	OBS	00070	17.73	36.46	26.47		1518.6							
	OBS	00075	17.77	36.48	26.48		1518.8							
	OBS	00100	17.65	36.47	26.50		1518.9							
	OBS	00125	17.49	36.45	26.53		1518.8							
	OBS	00150	17.33	36.45	26.56		1518.7							
	OBS	00200	17.05	36.42	26.61		1518.7							
	OBS	00250	16.97	36.41	26.62		1519.3							
	OBS	00300	16.90	36.40	26.63		1519.9							
	OBS	00400	16.13	36.24	26.69		1519.0							
	OBS	00500	14.77	35.97	26.79		1516.1							
	OBS	00600	13.10	35.73	26.96		1512.0							
	OBS	00700	10.80	35.41	27.15		1505.3							
	OBS	00800	08.35	35.13	27.34		1497.6							
	OBS	00880	07.06	35.09	27.50		1493.9							
	OBS	00900	06.99	35.13	27.54		1494.0							
	OBS	01000	05.86	35.06	27.64		1491.1							
	OBS	01030	05.81	35.08	27.66		1491.4							
	OBS	01045	05.94	35.13	27.68		1492.3							
	OBS	01100	05.66	35.13	27.72		1492.1							
	OBS	01200	05.11	35.10	27.76		1491.5							
	OBS	01300	04.83	35.09	27.79		1492.0							
	OBS	01400	04.50	35.05	27.79		1492.2							
	OBS	01500	04.20	35.02	27.80		1492.6							
	OBS	01750	03.89	35.01	27.83		1495.5							
	OBS	01980	03.83	35.03	27.85		1499.2							
	OBS	02000	03.76	35.01	27.84		1499.2							
	OBS	02500	03.30	34.99	27.87		1505.8							
	OBS	03000	02.80	34.97	27.90		1512.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 02926 AIR TEMP 20.5 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0037 MONTH 05 SHIP EN WET BULB 19.4 00 0 X WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 11 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 12.7 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER X2 ORIG E41 037 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	19.36	36.410	26.02		1522.0							
12.7	OBS	00023	18.50	36.432	26.26		1520.0							
12.7	OBS	00047	17.78	36.455	26.46		1518.4							
12.7	OBS	00070	17.54	36.439	26.50		1518.0							
12.7	OBS	00094	17.28	36.427	26.56		1517.6							
12.7	OBS	00141	17.03	36.386	26.59		1517.6							
12.7	OBS	T00188	16.94	36.379	26.60		1518.1							
12.7	OBS	00282	17.01	36.384	26.59		1519.9							
12.7	OBS	T00376	16.34	36.269	26.66		1519.3							
12.7	OBS	00470	14.81	35.975	26.78		1515.7							
12.7	OBS	T00564	13.72	35.817	26.89		1513.5							
12.7	OBS	00752	10.08	35.287	27.18		1509.4							
12.7	OBS	T00941	06.75	35.087	27.54		1493.7							
12.7	OBS	T01414	04.59	35.046	27.78		1492.8							

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REFID 31 8173 YEAR 1970 BOTDP 01098 AIR TEMP 19.8 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0038 MONTH 05 SHIP EN WET BULB 18.8 00 0 X WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 09 N DAY 12 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 50 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 038 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	19.54	36.46	26.01		1522.6							
	OBS	00010	19.03	36.43	26.12		1521.3							
	OBS	00020	18.58	36.47	26.27		1520.2							
	OBS	00030	18.40	36.52	26.35		1520.0							
	OBS	00050	18.28	36.51	26.38		1519.9							
	OBS	00075	17.83	36.49	26.47		1519.0							
	OBS	00100	17.67	36.47	26.50		1518.9							
	OBS	00125	17.47	36.45	26.53		1518.7							
	OBS	00150	17.26	36.43	26.57		1516.5							
	OBS	00200	17.12	36.43	26.60		1518.9							
	OBS	00250	17.00	36.42	26.62		1519.4							
	OBS	00300	16.89	36.40	26.63		1519.8							
	OBS	00322	16.85	36.40	26.64		1520.1							
	OBS	00400	16.05	36.23	26.70		1518.7							
	OBS	00500	14.58	35.96	26.82		1515.4							
	OBS	00600	13.02	35.67	26.93		1511.6							
	OBS	00665	12.12	35.50	26.97		1509.4							
	OBS	00700	11.12	35.39	27.08		1506.4							
	OBS	00800	09.36	35.25	27.27		1501.5							
	OBS	00820	08.91	35.23	27.33		1500.2							

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REFID 31 8173 YEAR 1970 BOTDP 04297 AIR TEMP 20.2 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0039 MONTH 05 SHIP EN WET BULB 19.1 00 0 X WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 00 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 039 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	20.06	36.41	25.84		1523.9							
	OBS	00010	19.79	36.41	25.91		1523.4							
	OBS	00020	19.05	36.49	26.16		1521.6							
	OBS	00030	18.73	36.49	26.25		1520.9							
	OBS	00050	18.42	36.44	26.29		1520.2							
	OBS	00075	17.75	36.44	26.45		1518.7							
	OBS	00100	17.59	36.46	26.51		1518.7							
	OBS	00125	17.38	36.44	26.54		1518.5							
	OBS	00150	17.13	36.42	26.59		1518.1							
	OBS	00200	17.01	36.41	26.61		1518.6							
	OBS	00250	16.91	36.40	26.63		1519.1							
	OBS	00300	16.80	36.38	26.64		1519.5							
	OBS	00320	16.76	36.37	26.64		1519.7							
	OBS	00400	15.95	36.21	26.71		1518.4							
	OBS	00500	14.75	35.97	26.79		1516.0							
	OBS	00600	13.14	35.71	26.93		1512.1							
	OBS	00700	10.85	35.35	27.09		1505.4							
	OBS	00790	08.74	35.14	27.29		1498.9							
	OBS	00800	08.70	35.20	27.34		1499.0							
	OBS	00880	07.27	35.11	27.49		1494.7							
	OBS	00900	07.21	35.13	27.51		1494.9							
	OBS	01000	05.87	35.05	27.63		1491.1							
	OBS	01020	05.81	35.06	27.65		1491.2							
	OBS	01055	05.88	35.11	27.68		1492.2							
	OBS	01100	05.65	35.11	27.70		1492.0							
	OBS	01200	05.12	35.07	27.74		1491.5							
	OBS	01300	04.80	35.06	27.77		1491.8							
	OBS	01400	04.50	35.04	27.79		1492.2							
	OBS	01500	04.25	35.03	27.80		1492.8							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04480 AIR TEMP 19.9 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0040 MONTH 05 SHIP EN WET BULB 18.5 13 1 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4
LAT 35 15 N DAY 12 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 23 W HOUR 18.1 AREA 05 CLOUD T/A CL/TP WEATHER X2 ORIG E41 040 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	17.89	36.37	26.37		1517.8							
	OBS	00010	17.12	36.38	26.56		1515.7							
	OBS	00020	16.94	36.37	26.58		1515.5							
	OBS	00030	16.82	36.37	26.63		1515.2							
	OBS	00050	16.78	36.38	26.64		1515.4							
	OBS	00075	16.74	36.38	26.65		1515.7							
	OBS	00100	16.71	36.38	26.66		1516.0							
	OBS	00125	16.68	36.38	26.67		1516.3							
	OBS	00150	16.66	36.38	26.67		1516.7							
	OBS	00200	16.65	36.37	26.67		1517.4							
	OBS	00250	16.54	36.35	26.68		1517.9							
	OBS	00300	16.35	36.33	26.71		1518.1							
	OBS	00400	15.05	36.05	26.79		1515.4							
	OBS	00500	13.48	35.78	26.92		1511.6							
	OBS	00600	11.62	35.45	27.03		1506.6							
	OBS	00685	09.47	35.18	27.20		1499.9							
	OBS	00700	09.07	35.12	27.22		1498.6							
	OBS	00755	08.26	35.13	27.36		1496.5							
	OBS	00800	07.90	35.07	27.36		1495.8							
	OBS	00840	07.00	35.09	27.51		1493.0							
	OBS	00850	07.12	35.15	27.54		1493.7							
	OBS	00875	06.69	35.13	27.58		1492.4							
	OBS	00900	06.62	35.14	27.60		1492.6							
	OBS	01000	06.17	35.13	27.65		1492.4							
	OBS	01100	05.63	35.11	27.71		1491.9							
	OBS	01170	05.33	35.11	27.74		1491.9							
	OBS	01200	05.03	35.07	27.75		1491.1							
	OBS	01300	04.77	35.07	27.78		1491.7							
	OBS	01400	04.55	35.05	27.79		1492.4							
	OBS	01500	04.19	35.02	27.80		1492.6							

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REFID 31 8173 YEAR 1970 BOTDP 04206 AIR TEMP 19.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0041 MONTH 05 SHIP EN WET BULB 18.6 13 1 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 13 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 00 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 041 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	19.87	36.50	25.96		1523.5							
	OBS	00010	19.34	36.49	26.09		1522.2							
	OBS	00020	18.89	36.51	26.22		1521.2							
	OBS	00030	18.36	36.51	26.35		1519.9							
	OBS	00050	18.18	36.52	26.41		1519.7							
	OBS	00075	17.76	36.47	26.47		1518.8							
	OBS	00100	17.50	36.45	26.52		1518.4							
	OBS	00125	17.32	36.43	26.55		1518.3							
	OBS	00150	17.16	36.42	26.58		1518.2							
	OBS	00200	17.01	36.41	26.61		1518.6							
	OBS	00250	16.92	36.40	26.62		1519.1							
	OBS	00300	16.85	36.40	26.64		1519.7							
	OBS	00315	16.81	36.39	26.64		1519.8							
	OBS	00400	15.94	36.20	26.70		1518.4							
	OBS	00500	14.87	36.01	26.80		1516.4							
	OBS	00600	13.08	35.71	26.94		1511.9							
	OBS	00700	11.02	35.42	27.12		1506.1							
	OBS	00800	08.58	35.14	27.31		1498.5							
	OBS	00830	07.74	35.14	27.44		1495.8							
	OBS	00840	07.79	35.14	27.44		1496.1							
	OBS	00880	07.25	35.08	27.47		1494.6							
	OBS	00900	07.18	35.10	27.49		1494.7							
	OBS	00920	06.88	35.06	27.50		1493.8							
	OBS	00940	06.95	35.14	27.56		1494.5							
	OBS	01000	06.26	35.03	27.56		1492.7							
	OBS	01030	05.88	35.07	27.64		1491.7							
	OBS	01080	05.88	35.12	27.68		1492.6							
	OBS	01100	05.81	35.10	27.68		1492.6							
	OBS	01200	05.26	35.10	27.74		1492.1							
	OBS	01300	04.86	35.07	27.77		1492.1							
	OBS	01400	04.53	35.05	27.79		1492.4							
	OBS	01500	04.38	35.04	27.80		1493.4							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BDTDP 01188 AIR TEMP 19.7 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0042 MONTH 05 SHIP EN WET BULB 18.5 13 1 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4
LAT 35 10 N DAY 13 DATA USE 1 PARAMETR 1022.7 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 03 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 042 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.3	OBS	00000	19.91	36.55	25.99		1523.7							
	OBS	00010	19.55	36.47	26.02		1522.0							
	OBS	00020	18.76	36.51	26.25		1520.9							
	OBS	00030	18.57	36.51	26.30		1520.4							
	OBS	00050	18.19	36.52	26.41		1519.7							
	OBS	00075	17.95	36.49	26.44		1519.4							
	OBS	00100	17.73	36.48	26.49		1519.1							
	OBS	00125	17.60	36.45	26.50		1519.1							
	OBS	00150	17.36	36.43	26.54		1518.8							
	OBS	00200	17.14	36.40	26.57		1518.9							
	OBS	00250	17.02	36.41	26.61		1519.4							
	OBS	00300	16.93	36.41	26.63		1520.0							
	OBS	00400	16.31	36.25	26.65		1519.5							
	OBS	00500	15.13	36.04	26.76		1517.3							
	OBS	00600	12.94	35.69	26.96		1511.9							
	OBS	00700	11.32	35.41	27.05		1507.1							
	OBS	00725	11.02	35.45	27.14		1506.5							
	OBS	00800	08.92	35.18	27.29		1499.8							
	OBS	00850	07.67	35.07	27.40		1495.7							
	OBS	00900	06.88	35.04	27.49		1493.6							
	OBS	00950	06.35	35.06	27.58		1492.2							
	OBS	00955	06.43	35.08	27.59		1492.7							
	OBS	00970	06.22	35.09	27.56		1492.0							
	OBS	01000	06.38	35.12	27.62		1493.3							
	OBS	01040	05.79	35.04	27.66		1491.5							
	OBS	01100	05.40	35.07	27.70		1490.9							
	OBS	01130	05.30	35.08	27.71		1491.0							

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REFID 31 8173 YEAR 1970 BDTDP 04389 AIR TEMP 21.1 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0043 MONTH 05 SHIP EN WET BULB 19.2 12 1 2 WIND-SPD 18 TRACE DIR 0 5 SQUARE 4
LAT 35 01 N DAY 13 DATA USE 1 PARAMETR 1023.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 01 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 043 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	19.67	36.48	26.00		1523.0							
	OBS	00010	19.62	36.49	26.02		1523.0							
	OBS	00020	19.14	36.48	26.13		1521.8							
	OBS	00030	18.61	36.50	26.28		1520.5							
	OBS	00050	18.34	36.51	26.36		1520.1							
	OBS	00075	17.93	36.49	26.45		1519.3							
	OBS	00100	17.76	36.47	26.47		1519.2							
	OBS	00125	17.55	36.45	26.51		1519.0							
	OBS	00150	17.44	36.45	26.54		1519.1							
	OBS	00200	17.11	36.39	26.57		1518.8							
	OBS	00250	17.01	36.40	26.60		1519.4							
	OBS	00300	16.90	36.38	26.61		1519.6							
	OBS	00330	16.78	36.36	26.63		1519.9							
	OBS	00340	16.64	36.39	26.64		1520.3							
	OBS	00400	16.34	36.27	26.66		1519.7							
	OBS	00500	14.54	35.94	26.91		1515.3							
	OBS	00600	13.15	35.68	27.01		1512.1							
	OBS	00700	11.41	35.50	27.11		1507.9							
	OBS	00800	08.76	35.14	27.29		1499.1							
	OBS	00900	07.13	35.08	27.48		1494.5							
	OBS	00910	06.99	35.09	27.50		1494.1							
	OBS	00940	06.98	35.14	27.55		1494.6							
	OBS	01000	06.05	35.05	27.61		1491.8							
	OBS	01030	05.82	35.05	27.64		1491.4							
	OBS	01070	05.85	35.11	27.68		1492.3							
	OBS	01100	05.74	35.11	27.69		1492.3							
	OBS	01200	05.29	35.09	27.73		1492.2							
	OBS	01240	05.02	35.06	27.74		1491.7							
	OBS	01300	04.93	35.07	27.76		1492.3							
	OBS	01400	04.64	35.05	27.78		1492.6							
	OBS	01500	04.33	35.02	27.79		1493.2							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 04297	AIR TEMP 20.9	DIR HGT PER	#WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0044	MONTH 05	SHIP EN	WET BULB 19.4	14 2 2	#WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 13	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 17.7	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	ORIG E41 044	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.7	OBS	00000	19.74	36.50	25.99		1523.2							
	OBS	00010	19.74	36.51	26.00		1523.4							
	OBS	00020	19.04	36.49	26.17		1521.6							
	OBS	00030	18.65	36.50	26.27		1520.6							
	OBS	00050	18.06	36.50	26.42		1519.3							
	OBS	00075	17.70	36.45	26.47		1518.6							
	OBS	00100	17.55	36.46	26.52		1518.6							
	OBS	00125	17.51	36.45	26.52		1518.9							
	OBS	00150	17.41	36.44	26.54		1519.0							
	OBS	00200	17.00	36.39	26.60		1519.5							
	OBS	00250	16.92	36.40	26.62		1519.1							
	OBS	00300	16.81	36.38	26.64		1519.6							
	OBS	00400	16.09	36.21	26.67		1518.8							
	OBS	00500	14.71	35.96	26.79		1515.9							
	OBS	00600	13.18	35.66	26.89		1512.1							
	OBS	00700	11.06	35.36	27.06		1506.1							
	OBS	00800	08.42	35.11	27.32		1497.8							
	OBS	00900	07.22	35.15	27.51		1494.9							
	OBS	01000	05.88	35.05	27.63		1491.2							
	OBS	01020	05.81	35.07	27.65		1491.2							
	OBS	01040	05.96	35.13	27.68		1492.3							
	OBS	01100	05.64	35.11	27.71		1491.9							
	OBS	01160	05.23	35.08	27.73		1491.2							
	OBS	01180	05.16	35.08	27.74		1491.3							
	OBS	01200	05.12	35.09	27.75		1491.5							
	OBS	01260	05.05	35.08	27.75		1492.2							
	OBS	01300	04.80	35.06	27.77		1491.8							
	OBS	01370	04.51	35.05	27.79		1491.8							
	OBS	01400	04.54	35.05	27.79		1492.4							
	OBS	01500	04.29	35.03	27.80		1493.0							
	OBS	01750	03.95	34.99	27.80		1495.8							
	OBS	02000	03.70	34.98	27.82		1498.9							
	OBS	02500	03.23	34.97	27.86		1505.5							
	OBS	03000	02.79	34.97	27.90		1512.2							

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REFID 31 8173	YEAR 1970	BOTDP 03658	AIR TEMP 20.0	DIR HGT PER	#WIND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0045	MONTH 05	SHIP EN	WET BULB 19.3	14 2 2	#WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 35 12 N	DAY 14	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FOR	DURATION 01.2	2 SQUARE 46
LONG 047 57 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 045	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	19.97	36.47	25.91		1523.8							
	OBS	00010	19.80	36.47	25.95		1523.5							
	OBS	00020	19.40	36.39	25.99		1522.4							
	OBS	00030	18.66	36.47	26.25		1520.6							
	OBS	00050	18.05	36.40	26.35		1519.1							
	OBS	00075	17.65	36.43	26.47		1518.4							
	OBS	00100	17.31	36.42	26.55		1517.8							
	OBS	00125	17.12	36.42	26.59		1517.7							
	OBS	00150	17.01	36.41	26.61		1517.7							
	OBS	00200	16.95	36.43	26.62		1518.4							
	OBS	00250	16.96	36.41	26.62		1518.2							
	OBS	00300	16.78	36.38	26.64		1518.5							
	OBS	00390	16.52	36.37	26.67		1520.1							
	OBS	00400	16.25	36.42	26.69		1519.4							
	OBS	00500	15.09	36.02	26.76		1517.1							
	OBS	00600	13.33	35.74	26.92		1512.7							
	OBS	00700	11.12	35.34	27.07		1506.4							
	OBS	00800	08.87	35.17	27.29		1499.6							
	OBS	00840	07.93	35.09	27.36		1496.6							
	OBS	00900	07.17	35.12	27.51		1494.7							
	OBS	00920	06.66	35.08	27.55		1493.0							
	OBS	01000	05.92	35.05	27.62		1491.3							
	OBS	01100	05.76	35.12	27.70		1492.4							
	OBS	01200	05.29	35.09	27.73		1492.2							
	OBS	01255	05.12	35.09	27.75		1492.4							
	OBS	01300	04.84	35.06	27.76		1492.0							
	OBS	01400	04.67	35.06	27.78		1492.9							
	OBS	01500	04.49	35.03	27.78		1493.8							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 04572	AIR TEMP 20.1	DIP NGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 3046	MONTH 05	SHIP EN	WET BULB 19.8	15 2 3	WIND-SPD 16	TRACE DIP 0	5 SQUARE 2
LAT 34 55 N	DAY 14	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 047 59 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X2	ORIG E41 046	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	19.92	36.40	25.91		1523.6							
	OBS	00010	19.92	36.46	25.91		1523.8							
	OBS	00020	19.15	36.46	26.12		1521.8							
	OBS	00030	18.70	36.50	26.26		1520.8							
	OBS	00050	18.24	36.51	26.39		1519.8							
	OBS	00075	17.89	36.48	26.45		1519.2							
	OBS	00100	17.76	36.47	26.47		1519.2							
	OBS	00125	17.63	36.44	26.48		1519.2							
	OBS	00150	17.51	36.44	26.51		1519.3							
	OBS	00200	17.22	36.43	26.57		1519.2							
	OBS	00250	17.04	36.43	26.60		1519.5							
	OBS	00300	16.92	36.45	26.62		1519.9							
	OBS	00340	16.79	36.46	26.62		1520.1							
	OBS	00400	16.18	36.44	26.66		1519.1							
	OBS	00500	14.77	35.94	26.76		1516.0							
	OBS	00600	13.12	35.70	26.93		1512.0							
	OBS	00675	11.69	35.52	27.03		1508.8							
	OBS	00700	11.11	35.43	27.09		1506.4							
	OBS	00800	09.87	35.14	27.27		1499.6							
	OBS	00900	07.22	35.04	27.44		1494.8							
	OBS	01000	05.96	35.03	27.60		1491.6							
	OBS	01025	05.69	35.04	27.64		1490.8							
	OBS	01070	05.87	35.12	27.68		1492.4							
	OBS	01100	05.79	35.10	27.68		1492.5							
	OBS	01200	05.13	35.08	27.73		1491.6							
	OBS	01300	04.74	35.04	27.75		1491.5							
	OBS	01400	04.41	35.00	27.76		1491.8							
	OBS	01500	04.23	34.99	27.78		1492.7							

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REFID 31 8174	YEAR 1970	BOTDP 04114	AIR TEMP 21.3	DIP NGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 3047	MONTH 05	SHIP EN	WET BULB 20.1	15 0 2	WIND-SPD 14	TRACE DIP 0	5 SQUARE 4
LAT 35 05 N	DAY 14	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 01 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E41 047	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	20.38	36.39	25.75		1524.7							
	OBS	00010	19.85	36.48	25.95		1523.0							
	OBS	00020	19.31	36.47	26.08		1522.3							
	OBS	00030	19.03	36.50	26.18		1521.7							
	OBS	00050	18.33	36.55	26.39		1520.1							
	OBS	00075	17.84	36.47	26.45		1519.0							
	OBS	00100	17.69	36.46	26.48		1519.0							
	OBS	00125	17.54	36.45	26.51		1518.9							
	OBS	00150	17.40	36.44	26.54		1518.9							
	OBS	00200	17.14	36.41	26.58		1518.7							
	OBS	00250	17.02	36.41	26.61		1519.4							
	OBS	00300	16.89	36.39	26.62		1519.8							
	OBS	00360	16.83	36.40	26.65		1520.6							
	OBS	00400	16.33	36.27	26.66		1519.6							
	OBS	00500	14.66	35.93	26.78		1515.7							
	OBS	00600	13.14	35.68	26.91		1512.6							
	OBS	00650	12.50	35.60	26.99		1511.6							
	OBS	00700	11.27	35.41	27.06		1508.9							
	OBS	00800	08.74	35.12	27.27		1503.2							
	OBS	00870	07.34	35.05	27.43		1499.8							
	OBS	00900	07.15	35.12	27.51		1499.6							
	OBS	00920	07.06	35.13	27.53		1499.6							
	OBS	01000	06.14	35.08	27.62		1497.7							
	OBS	01010	06.12	35.07	27.61		1497.3							
	OBS	01020	05.93	35.07	27.63		1497.7							
	OBS	01068	05.89	35.11	27.66		1498.8							
	OBS	01100	05.83	35.11	27.68		1498.7							
	OBS	01200	05.46	35.09	27.71		1498.9							
	OBS	01300	05.12	35.07	27.74		1498.1							
	OBS	01400	04.83	35.05	27.76		1497.6							
	OBS	01500	04.55	35.03	27.77		1494.1							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTTP 02634	AIR TEMP 20.4	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0046	MONTH 05	SHIP EN	WET BULB 19.7	15 2 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 35 09 N	DAY 15	DATA USE 1	BAROMETR 1020.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 53 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 048	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	20.04	36.47	25.89		1524.0							
	OBS	00010	19.95	36.46	25.92		1523.9							
	OBS	00020	19.47	36.45	26.02		1522.7							
	OBS	00030	18.79	36.47	26.22		1521.0							
	OBS	00050	18.21	36.50	26.39		1519.7							
	OBS	00075	17.88	36.47	26.44		1519.1							
	OBS	00100	17.74	36.46	26.47		1519.1							
	OBS	00125	17.50	36.44	26.51		1518.8							
	OBS	00150	17.42	36.42	26.52		1519.0							
	OBS	00200	17.19	36.40	26.58		1518.8							
	OBS	00250	17.02	36.40	26.60		1519.4							
	OBS	00300	16.89	36.39	26.62		1519.8							
	OBS	00340	16.71	36.34	26.63		1519.9							
	OBS	00400	16.04	36.20	26.68		1516.7							
	OBS	00450	15.01	36.00	26.76		1516.0							
	OBS	00500	14.49	35.90	26.79		1515.1							
	OBS	00600	13.00	35.62	26.85		1511.5							
	OBS	00700	11.22	35.42	27.08		1506.8							
	OBS	00800	09.97	35.29	27.20		1503.6							
	OBS	00900	08.11	35.12	27.37		1498.3							
	OBS	00950	06.86	35.01	27.47		1494.2							
	OBS	01000	06.08	35.04	27.59		1492.0							
	OBS	01100	05.72	34.99	27.60		1492.1							
	OBS	01120	05.67	35.00	27.62		1492.3							
	OBS	01160	05.77	35.07	27.66		1493.4							
	OBS	01200	05.74	35.07	27.66		1494.0							
	OBS	01300	05.47	35.06	27.69		1494.5							
	OBS	01345	05.46	35.06	27.69		1495.2							
	OBS	01400	05.27	35.05	27.70		1495.4							
	OBS	01500	04.43	35.02	27.78		1493.6							

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REFID 31 8173	YEAR 1970	BOTTP 03292	AIR TEMP 20.1	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0049	MONTH 05	SHIP EN	WET BULB 19.5	16 2 3	WIND-SPD 14	TRACE DIR 0	5 SQUARE 4
LAT 35 02 N	DAY 15	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 03 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 049	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	20.05	36.44	25.86		1524.0							
	OBS	00010	20.04	36.43	25.87		1524.1							
	OBS	00020	19.13	36.46	26.12		1521.8							
	OBS	00030	18.72	36.47	26.23		1520.8							
	OBS	00050	18.49	36.51	26.32		1520.5							
	OBS	00075	18.05	36.47	26.40		1519.6							
	OBS	00100	17.87	36.47	26.45		1519.5							
	OBS	00125	17.68	36.45	26.48		1519.4							
	OBS	00150	17.55	36.44	26.50		1519.4							
	OBS	00200	17.22	36.40	26.55		1519.2							
	OBS	00250	17.02	36.39	26.59		1519.4							
	OBS	00300	16.91	36.37	26.60		1519.9							
	OBS	00340	16.87	36.39	26.63		1520.4							
	OBS	00400	16.24	36.28	26.65		1519.3							
	OBS	00500	14.73	35.96	26.78		1516.1							
	OBS	00600	13.08	35.68	26.92		1511.8							
	OBS	00700	11.24	35.44	27.09		1506.9							
	OBS	00800	09.88	35.17	27.12		1503.3							
	OBS	00865	07.44	35.01	27.38		1495.0							
	OBS	00900	07.05	35.07	27.49		1494.2							
	OBS	01000	05.90	35.04	27.62		1491.2							
	OBS	01020	05.96	35.10	27.66		1491.9							
	OBS	01100	05.58	35.09	27.70		1491.7							
	OBS	01200	05.17	35.06	27.72		1491.6							
	OBS	01300	04.66	35.01	27.74		1491.2							
	OBS	01400	04.36	34.98	27.75		1491.0							
	OBS	01500	04.20	34.97	27.76		1492.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BCTDP 04572 AIR TEMP 21.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0050 MONTH 05 SHIP EN WET BULB 20.1 16 2 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 049 00 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 050 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	20.04	36.43	25.86		1522.9							
	OBS	00010	19.91	36.42	25.85		1523.7							
	OBS	00020	19.31	36.45	26.07		1522.3							
	OBS	00030	18.62	36.44	26.24		1520.5							
	OBS	00050	18.30	36.50	26.36		1520.0							
	OBS	00075	17.83	36.45	26.44		1519.0							
	OBS	00100	17.73	36.45	26.47		1519.1							
	OBS	00125	17.53	36.43	26.50		1518.9							
	OBS	00150	17.41	36.42	26.52		1518.9							
	OBS	00200	17.09	36.38	26.57		1518.8							
	OBS	00250	16.99	36.36	26.59		1519.3							
	OBS	00285	16.82	36.36	26.62		1519.3							
	OBS	00300	16.85	36.38	26.63		1519.7							
	OBS	00320	16.85	36.38	26.63		1520.0							
	OBS	00400	15.94	36.19	26.69		1516.3							
	OBS	00500	15.14	36.06	26.77		1517.3							
	OBS	00600	13.23	35.70	26.91		1512.4							
	OBS	00700	11.23	35.45	27.10		1506.9							
	OBS	00800	09.42	35.26	27.27		1501.8							
	OBS	00840	08.88	35.21	27.32		1500.3							
	OBS	00900	08.62	35.02	27.46		1496.2							
	OBS	00925	08.56	35.03	27.52		1492.6							
	OBS	01000	08.03	35.04	27.60		1491.8							
	OBS	01050	05.45	35.02	27.66		1490.2							
	OBS	01090	05.78	35.11	27.69		1492.3							
	OBS	01100	05.74	35.11	27.69		1492.3							
	OBS	01200	05.26	35.09	27.74		1492.0							
	OBS	01300	04.93	35.07	27.76		1492.3							
	OBS	01400	04.47	35.02	27.77		1492.1							
	OBS	01500	04.24	35.01	27.79		1492.8							

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REFID 31 8173 YEAR 1970 BCTDP 04389 AIR TEMP 21.3 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0051 MONTH 05 SHIP EN WET BULB 20.0 17 1 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 15 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 051 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	20.31	36.46	25.81		1524.7							
	OBS	00010	19.15	36.47	26.12		1521.7							
	OBS	00020	18.92	36.51	26.21		1521.2							
	OBS	00030	18.50	36.45	26.27		1520.2							
	OBS	00050	18.05	36.47	26.40		1519.2							
	OBS	00075	17.90	36.46	26.43		1519.2							
	OBS	00100	17.68	36.45	26.48		1518.9							
	OBS	00125	17.54	36.43	26.50		1518.9							
	OBS	00150	17.43	36.43	26.52		1519.0							
	OBS	00200	17.22	36.41	26.56		1519.2							
	OBS	00250	17.07	36.41	26.60		1519.6							
	OBS	00300	16.93	36.39	26.61		1519.9							
	OBS	00340	16.82	36.37	26.63		1520.2							
	OBS	00360	16.59	36.34	26.66		1519.8							
	OBS	00400	15.89	36.18	26.70		1518.2							
	OBS	00500	14.78	35.98	26.79		1516.1							
	OBS	00600	13.10	35.69	26.92		1511.9							
	OBS	00700	11.09	35.37	27.07		1506.3							
	OBS	00800	09.23	35.23	27.28		1501.0							
	OBS	00870	07.29	35.02	27.41		1494.5							
	OBS	00900	06.98	35.02	27.46		1493.8							
	OBS	01000	06.04	35.04	27.60		1491.8							
	OBS	01018	05.93	35.06	27.63		1491.7							
	OBS	01100	05.76	35.11	27.69		1492.4							
	OBS	01200	05.20	35.08	27.74		1491.8							
	OBS	01300	04.94	35.06	27.75		1492.4							
	OBS	01400	04.67	35.05	27.77		1492.9							
	OBS	01500	04.43	35.03	27.79		1493.6							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BCTDP 04114	AIR TEMP 20.5	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0052	MONTH 05	SHIP EN	WET BULB 19.6	18 1 3	WIND-SPD 14	TRACE DIR D	5 SQUARE 4
LAT 35 11 N	DAY 16	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 57 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 052	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	20.36	36.45	25.79		1524.8							
	OBS	00010	19.75	36.46	25.94		1522.3							
	OBS	00020	19.24	36.46	26.09		1521.1							
	OBS	00030	18.70	36.45	26.22		1520.7							
	OBS	00050	18.11	36.47	26.39		1519.4							
	OBS	00075	17.88	36.47	26.44		1519.1							
	OBS	00100	17.79	36.46	26.46		1519.3							
	OBS	00125	17.45	36.44	26.53		1518.7							
	OBS	00150	17.40	36.42	26.52		1518.9							
	OBS	00200	17.16	36.41	26.57		1519.0							
	OBS	00250	17.04	36.40	26.60		1519.5							
	OBS	00300	16.88	36.36	26.60		1519.8							
	OBS	00355	16.68	36.39	26.63		1520.7							
	OBS	00390	15.88	36.17	26.69		1518.0							
	OBS	00400	15.64	36.16	26.69		1516.0							
	OBS	00480	15.05	36.02	26.76		1516.7							
	OBS	00500	14.58	35.92	26.79		1515.4							
	OBS	00600	12.95	35.67	26.94		1511.4							
	OBS	00700	11.23	35.43	27.09		1506.8							
	OBS	00800	09.57	35.28	27.26		1502.3							
	OBS	00900	07.69	35.12	27.43		1496.7							
	OBS	00970	06.22	35.01	27.55		1492.0							
	OBS	00980	06.35	35.04	27.56		1492.7							
	OBS	01000	06.22	35.04	27.58		1492.5							
	OBS	01090	05.30	35.00	27.66		1490.3							
	OBS	01100	05.43	35.05	27.68		1491.0							
	OBS	01105	05.50	35.07	27.69		1491.4							
	OBS	01115	05.39	35.04	27.68		1491.1							
	OBS	01120	05.43	35.08	27.71		1491.4							
	OBS	01130	05.28	35.04	27.69		1490.9							
	OBS	01138	05.53	35.11	27.72		1492.1							
	OBS	01200	05.38	35.09	27.72		1492.5							
	OBS	01300	04.92	35.06	27.75		1492.3							
	OBS	01400	04.72	35.05	27.77		1493.1							
	OBS	01500	04.46	35.03	27.78		1493.7							

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REFID 31 8173	YEAR 1970	BCTDP 04663	AIR TEMP 20.2	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0053	MONTH 05	SHIP EN	WET BULB 19.4	18 1 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 35 11 N	DAY 16	DATA USE 1	BAROMETR 1018.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 57 W	HOUR 06.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 053	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.3	OBS	00000	20.25	36.49	25.85		1524.6							
	OBS	00010	20.25	36.50	25.86		1524.7							
	OBS	00020	19.77	36.47	25.96		1523.6							
	OBS	00030	19.49	36.50	26.06		1523.0							
	OBS	00050	18.46	36.48	26.31		1520.4							
	OBS	00075	17.93	36.48	26.44		1519.3							
	OBS	00100	17.71	36.43	26.46		1519.0							
	OBS	00125	17.52	36.43	26.50		1518.9							
	OBS	00150	17.36	36.41	26.53		1518.6							
	OBS	00200	17.10	36.39	26.57		1518.8							
	OBS	00250	16.98	36.39	26.60		1519.3							
	OBS	00300	16.83	36.37	26.62		1519.6							
	OBS	00400	15.64	36.15	26.73		1517.4							
	OBS	00460	15.32	36.07	26.74		1517.3							
	OBS	00500	14.66	35.96	26.80		1515.7							
	OBS	00600	13.05	35.69	26.93		1511.7							
	OBS	00700	10.80	35.38	27.13		1505.2							
	OBS	00800	09.18	35.24	27.30		1500.8							
	OBS	00900	07.48	35.11	27.46		1495.9							
	OBS	00972	06.13	35.03	27.58		1491.7							
	OBS	01000	06.13	35.04	27.59		1492.2							
	OBS	01085	05.42	35.03	27.67		1490.7							
	OBS	01100	05.62	35.10	27.70		1491.9							
	OBS	01105	05.70	35.11	27.70		1492.3							
	OBS	01115	05.70	35.12	27.71		1492.5							
	OBS	01200	05.32	35.09	27.73		1492.3							
	OBS	01260	05.06	35.08	27.75		1492.2							
	OBS	01290	05.06	35.07	27.74		1492.7							
	OBS	01300	04.97	35.07	27.76		1492.5							
	OBS	01400	04.54	35.01	27.76		1492.3							
	OBS	01500	04.29	35.01	27.78		1493.0							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04480 AIR TEMP 21.6 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0054 MONTH 05 SHIP EN WET BULB 20.4 18 1 2 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2
LAT 34 57 N DAY 16 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 56 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID E41 054 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	20.50	36.46	25.76		1525.2							
	OBS	00010	20.39	36.49	25.81		1525.1							
	OBS	00020	19.80	36.42	25.92		1523.6							
	OBS	00030	18.77	36.48	26.23		1521.0							
	OBS	00050	18.26	36.50	26.37		1519.9							
	OBS	00075	18.00	36.48	26.42		1519.5							
	OBS	00100	17.84	36.47	26.45		1519.4							
	OBS	00125	17.68	36.46	26.49		1519.4							
	OBS	00150	17.49	36.42	26.50		1519.2							
	OBS	00200	17.23	36.40	26.55		1519.2							
	OBS	00250	17.10	36.40	26.58		1519.6							
	OBS	00300	16.96	36.38	26.60		1520.0							
	OBS	00315	16.94	36.38	26.60		1520.2							
	OBS	00380	16.40	36.22	26.61		1519.5							
	OBS	00400	16.00	36.14	26.67		1518.5							
	OBS	00500	15.19	36.03	26.74		1517.5							
	OBS	00600	13.52	35.76	26.89		1513.4							
	OBS	00660	12.63	35.61	26.96		1511.2							
	OBS	00700	11.60	35.47	27.08		1508.2							
	OBS	00800	09.65	35.26	27.23		1502.6							
	OBS	00830	08.85	35.21	27.33		1500.1							
	OBS	00900	07.93	35.22	27.48		1497.8							
	OBS	00950	06.63	35.23	27.61		1494.5							
	OBS	01000	06.24	35.24	27.67		1492.6							
	OBS	01050	05.69	35.22	27.73		1491.2							
	OBS	01070	05.86	35.12	27.69		1492.3							
	OBS	01100	05.84	35.14	27.70		1492.8							
	OBS	01200	05.31	35.09	27.73		1492.3							
	OBS	01300	04.93	35.07	27.76		1492.3							
	OBS	01340	04.90	35.07	27.76		1492.9							
	OBS	01400	04.58	35.04	27.78		1492.5							
	OBS	01500	04.29	35.01	27.78		1493.0							

REFID 31 8173 YEAR 1970 BOTDP 04572 AIR TEMP 18.3 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0055 MONTH 05 SHIP EN WET BULB 16.9 02 2 3 WIND-SPD 25 TRACE DIR 0 5 SQUARE 2
LAT 34 59 N DAY 16 DATA USE 1 BAROMETR 1013.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 55 W HOUR 17.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID E41 055 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
17.7	OBS	00000	20.43	36.50	25.81		1525.1							
	OBS	00010	20.17	36.42	25.82		1524.4							
	OBS	00020	19.49	36.46	26.03		1522.8							
	OBS	00030	18.99	36.48	26.17		1521.6							
	OBS	00050	18.46	36.50	26.32		1520.4							
	OBS	00075	18.08	36.49	26.41		1519.7							
	OBS	00100	17.86	36.48	26.46		1519.5							
	OBS	00125	17.69	36.46	26.48		1519.4							
	OBS	00150	17.52	36.44	26.51		1519.3							
	OBS	00200	17.20	36.40	26.56		1519.1							
	OBS	00250	17.07	36.40	26.59		1519.5							
	OBS	00300	16.87	36.37	26.61		1519.7							
	OBS	00325	16.74	36.35	26.62		1519.7							
	OBS	00400	15.71	36.14	26.72		1517.6							
	OBS	00440	15.52	36.15	26.76		1517.7							
	OBS	00500	14.97	36.02	26.78		1516.8							
	OBS	00600	13.27	35.73	26.94		1513.3							
	OBS	00700	11.15	35.40	27.18		1508.3							
	OBS	00800	09.40	35.26	27.38		1501.7							
	OBS	00870	08.31	35.20	27.46		1496.7							
	OBS	00890	08.29	35.19	27.48		1496.9							
	OBS	00900	08.05	35.19	27.44		1496.2							
	OBS	01000	06.12	35.05	27.58		1491.1							
	OBS	01040	05.60	35.00	27.62		1489.6							
	OBS	01060	05.51	35.00	27.64		1490.0							
	OBS	01065	05.51	35.00	27.64		1490.7							
	OBS	01100	05.77	35.12	27.70		1492.3							
	OBS	01122	05.76	35.11	27.69		1492.8							
	OBS	01200	05.36	35.08	27.75		1492.4							
	OBS	01300	05.04	35.05	27.79		1492.8							
	OBS	01400	04.63	35.01	27.75		1492.6							
	OBS	01500	04.37	35.00	27.77		1493.3							

TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 17.2 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0056 MONTH 05 SHIP EN WET BULB 15.7 03 6 3 WIND-SPD 29 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 17 DATA USE 1 BAROMETR 1021.7 SEA WIND-FOR DURATION 09.4 2 SQUARE 48
LONG 048 10 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 056 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.1	OBS	00000	20.07	36.47	25.88		1524.0							
	OBS	00010	20.02	36.46	25.89		1524.1							
	OBS	00020	18.94	36.28 C	26.01*									
	OBS	00030	18.23	36.42	26.32		1519.3							
	OBS	00050	17.85	36.43	26.41		1516.6							
	OBS	00075	17.62	36.43	26.48		1516.3							
	OBS	00100	17.57	36.44	26.50		1518.0							
	OBS	00125	17.45	36.43	26.52		1518.7							
	OBS	00150	17.34	36.42	26.54		1518.7							
	OBS	00200	17.02	36.36	26.57		1518.5							
	OBS	00250	16.93	36.38	26.61		1519.1							
	OBS	00300	16.69	36.32	26.64		1519.1							
	OBS	00400	15.78	36.16	26.71		1517.8							
	OBS	00500	14.67	35.94	26.79		1515.7							
	OBS	00600	12.96	35.66	26.93		1511.4							
	OBS	00700	11.12	35.41	27.09		1506.4							
	OBS	00800	09.20	35.24	27.29		1500.9							
	OBS	00900	07.56	35.10	27.44		1496.2							
	OBS	00940	06.97	35.00	27.44		1494.4							
	OBS	01000	06.06	35.02	27.58		1491.8							
	OBS	01020	05.90	35.03	27.61		1491.6							
	OBS	01050	05.95	35.09	27.65		1492.3							
	OBS	01090	05.72	35.08	27.67		1492.1							
	OBS	01100	05.72	35.11	27.70		1492.3							
	OBS	01125	05.72	35.10	27.69		1492.7							
	OBS	01200	05.32	35.06	27.71		1492.3							
	OBS	01275	04.95	35.06	27.75		1492.0							
	OBS	01300	04.95	35.07	27.76		1492.4							
	OBS	01315	04.93	35.06	27.75		1492.6							
	OBS	01400	04.63	35.04	27.77		1492.7							
	OBS	01460	04.38	35.01	27.77		1492.7							
	OBS	01500	04.37	35.00	27.77		1493.3							

REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 15.7 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
CONSEC 0057 MONTH 05 SHIP EN WET BULB 14.5 04 4 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 17 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 09.3 2 SQUARE 48
LONG 048 18 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 057 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.0	OBS	00000	19.61	36.49	26.02		1522.8							
	OBS	00010	19.62	36.49	26.02		1523.0							
	OBS	00020	19.62	36.49	26.02		1523.2							
	OBS	00030	19.01	36.34	26.06		1521.5							
	OBS	00050	17.95	36.44	26.40		1518.9							
	OBS	00075	17.63	36.43	26.48		1518.4							
	OBS	00100	17.59	36.44	26.49		1518.7							
	OBS	00125	17.55	36.45	26.51		1519.0							
	OBS	00150	17.47	36.44	26.54		1519.1							
	OBS	00200	17.21	36.40	26.59		1519.1							
	OBS	00250	17.09	36.40	26.59		1519.6							
	OBS	00300	16.92	36.38	26.61		1519.9							
	OBS	00340	16.70	36.34	26.63		1519.8							
	OBS	00400	16.04	36.20	26.68		1519.7							
	OBS	00500	14.87	36.00	26.79		1516.4							
	OBS	00600	12.99	35.68	26.94		1511.5							
	OBS	00700	11.13	35.43	27.10		1506.5							
	OBS	00800	09.48	35.25	27.25		1502.0							
	OBS	00900	06.96	35.02	27.46		1493.7							
	OBS	00910	06.76	35.02	27.49		1493.1							
	OBS	01000	06.03	35.07	27.62		1491.9							
	OBS	01042	06.04	35.12	27.64		1492.6							
	OBS	01100	05.71	35.10	27.69		1492.2							
	OBS	01200	05.17	35.08	27.74		1491.7							
	OBS	01300	04.84	35.06	27.76		1492.0							
	OBS	01400	04.53	35.04	27.74		1492.3							
	OBS	01445	04.38	35.02	27.78		1492.4							
	OBS	01500	04.32	35.02	27.79		1493.1							

TABLE XX.—Continued

REFID 31 6173	YEAR 1970	BOTOP 04755	AIR TEMP 15.6	DIP HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0058	MONTH 05	SHIP EN	WET BULB 12.2	05 5 2	WIND-SPD 19	TRACE DIP D	5 SQUARE 2
LAT 34 59 N	DAY 17	DATA USE 1	BAROMETR 1023.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 17 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 058	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	OBS	00000	19.58	36.50	26.03		1522.7							
	OBS	00010	19.57	36.50	26.04		1522.9							
	OBS	00020	19.50	36.49	26.04		1522.8							
	OBS	00030	18.62	36.37	26.18		1520.4							
	OBS	00050	17.81	36.43	26.43		1518.5							
	OBS	00075	17.63	36.43	26.48		1518.4							
	OBS	00100	17.56	36.44	26.50		1518.6							
	OBS	00125	17.40	36.42	26.52		1518.5							
	OBS	00150	17.27	36.41	26.55		1518.5							
	OBS	00200	17.10	36.40	26.59		1518.8							
	OBS	00250	16.88	36.38	26.62		1519.0							
	OBS	00300	16.87	36.38	26.62		1519.7							
	OBS	00310	16.87	36.38	26.62		1519.7							
	OBS	00340	16.77	36.35	26.62		1520.1							
	OBS	00400	15.91	36.17	26.69		1518.2							
	OBS	00500	14.16	35.89	26.86		1514.0							
	OBS	00600	12.91	35.66	26.94		1511.2							
	OBS	00700	11.01	35.41	27.11		1506.0							
	OBS	00800	09.78	35.27	27.22		1503.1							
	OBS	00900	07.40	35.07	27.44		1496.9							
	OBS	01000	06.19	35.04	27.58		1492.4							
	OBS	01040	05.93	35.10	27.66		1492.1							
	OBS	01100	05.92	35.12	27.68		1493.1							
	OBS	01200	05.25	35.08	27.75		1492.0							
	OBS	01220	05.12	35.07	27.74		1491.8							
	OBS	01300	04.92	35.07	27.76		1492.3							
	OBS	01400	04.63	35.04	27.77		1492.8							
	OBS	01500	04.41	35.03	27.79		1493.5							

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REFID 31 6173	YEAR 1970	BOTOP 04480	AIR TEMP 15.2	DIP HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1206
CONSEC 0059	MONTH 05	SHIP EN	WET BULB 12.0	05 4 2	WIND-SPD 17	TRACE DIP D	5 SQUARE 2
LAT 34 45 N	DAY 18	DATA USE 1	BAROMETR 1020.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 57 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 059	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.2	OBS	00000	19.27	36.49	26.11		1521.9							
	OBS	00010	19.27	36.49	26.11		1522.0							
	OBS	00020	19.27	36.49	26.11		1522.2							
	OBS	00030	18.74	36.47	26.33		1520.9							
	OBS	00050	17.99	36.47	26.42		1519.0							
	OBS	00075	17.69	36.43	26.44		1518.5							
	OBS	00100	17.58	36.44	26.50		1518.6							
	OBS	00125	17.42	36.43	26.53		1518.6							
	OBS	00150	17.27	36.41	26.55		1518.5							
	OBS	00200	17.04	36.40	26.60		1518.6							
	OBS	00250	16.94	36.39	26.61		1519.1							
	OBS	00300	16.78	36.36	26.63		1519.5							
	OBS	00320	16.67	36.34	26.64		1519.4							
	OBS	00400	15.83	36.16	26.70		1518.0							
	OBS	00460	15.39	36.10	26.75		1517.5							
	OBS	00480	15.16	36.07	26.78		1517.1							
	OBS	00500	14.76	35.98	26.80		1516.3							
	OBS	00600	12.96	35.66	26.93		1511.4							
	OBS	00700	11.33	35.44	27.08		1507.2							
	OBS	00800	09.36	35.26	27.28		1501.5							
	OBS	00900	08.06	35.19	27.43		1499.2							
	OBS	00925	07.73	35.19	27.48		1497.4							
	OBS	00970	07.61	35.25	27.55		1497.7							
	OBS	00990	07.50	35.25	27.56		1497.6							
	OBS	01000	06.97	35.17	27.58		1495.6							
	OBS	01065	05.66	35.06	27.66		1491.8							
	OBS	01100	05.07	35.05	27.65		1492.0							
	OBS	01160	05.05	35.10	27.70		1493.0							
	OBS	01200	05.37	35.09	27.72		1492.5							
	OBS	01300	05.00	35.08	27.76		1492.6							
	OBS	01335	04.91	35.06	27.75		1492.8							
	OBS	01385	04.87	35.06	27.76		1493.5							
	OBS	01400	04.80	35.05	27.76		1493.5							
	OBS	01500	04.36	35.01	27.78		1493.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 03200 AIR TEMP 16.3 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0060 MONTH 05 SHIP EN WET BULB 12.7 07 3 3 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4
LAT 35 01 N DAY 18 DATA JSE 1 BAROMETR 1031.5 SEA WIND-DIR DURATION 00.3 2 SQUARE 48
LONG 048 02 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID B41 060 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	19.34	36.49	26.09		1522.1							
	OBS	00010	19.34	36.53	26.12		1522.3							
	OBS	00020	19.34	36.53	26.12		1522.4							
	OBS	00030	19.29	36.53	26.13		1522.5							
	OBS	00050	18.05	36.47	26.40		1519.2							
	OBS	00075	17.78	36.47	26.47		1518.8							
	OBS	00100	17.63	36.46	26.50		1518.8							
	OBS	00125	17.47	36.45	26.53		1518.7							
	OBS	00150	17.32	36.43	26.55		1518.7							
	OBS	00200	17.10	36.40	26.58		1518.8							
	OBS	00250	17.00	36.40	26.61		1519.3							
	OBS	00300	16.86	36.38	26.62		1519.7							
	OBS	00400	16.01	36.19	26.86		1518.6							
	OBS	00500	14.79	35.94	26.76		1516.1							
	OBS	00600	13.38	35.74	26.91		1512.9							
	OBS	00660	12.48	35.59	26.97		1510.7							
	OBS	00700	11.50	35.46	27.06		1507.8							
	OBS	00800	09.63	35.28	27.25		1502.5							
	OBS	00900	07.98	35.23	27.48		1498.0							
	OBS	00910	07.98	35.23	27.48		1498.1							
	OBS	01000	06.14	35.03	27.58		1492.2							
	OBS	01090	05.68	35.04	27.65		1491.8							
	OBS	01100	05.68	35.10	27.69		1492.1							
	OBS	01120	05.79	35.11	27.69		1492.9							
	OBS	01200	05.41	35.09	27.72		1492.7							
	OBS	01265	05.11	35.07	27.74		1492.5							
	OBS	01300	05.08	35.07	27.74		1493.0							
	OBS	01400	04.67	35.03	27.76		1492.9							
	OBS	01415	04.58	35.01	27.75		1492.8							
	OBS	01500	04.52	35.02	27.77		1493.9							

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REFID 31 8173 YEAR 1970 BOTDP 04572 AIR TEMP 15.7 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0061 MONTH 05 SHIP EN WET BULB 12.1 06 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4
LAT 35 01 N DAY 18 DATA JSE 1 BAROMETR 1031.5 SEA WIND-DIR DURATION 00.6 2 SQUARE 48
LONG 048 11 W HOUR 17.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID B41 061 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
17.7	OBS	00000	19.46	36.51	26.07		1522.4							
	OBS	00010	19.33	36.51	26.11		1522.2							
	OBS	00020	19.29	36.51	26.12		1522.3							
	OBS	00030	19.01	36.47	26.16		1521.6							
	OBS	00050	17.86	36.43	26.42		1518.6							
	OBS	00075	17.67	36.43	26.47		1518.5							
	OBS	00100	17.55	36.44	26.50		1518.5							
	OBS	00125	17.43	36.44	26.53		1518.6							
	OBS	00150	17.30	36.42	26.55		1518.6							
	OBS	00200	17.04	36.40	26.60		1518.6							
	OBS	00250	16.94	36.39	26.61		1519.1							
	OBS	00300	16.85	36.39	26.63		1519.7							
	OBS	00400	16.22	36.25	26.67		1519.3							
	OBS	00500	14.65	35.90	26.76		1515.6							
	OBS	00600	13.30	35.63	26.90		1511.5							
	OBS	00700	11.11	35.36	27.05		1506.3							
	OBS	00800	09.09	35.23	27.20		1502.5							
	OBS	00900	07.90	35.10	27.29		1497.5							
	OBS	01000	05.96	35.03	27.40		1491.6							
	OBS	01090	05.88	35.12	27.48		1492.6							
	OBS	01100	05.76	35.12	27.50		1492.4							
	OBS	01200	05.19	35.08	27.74		1491.8							
	OBS	01300	04.94	35.07	27.76		1492.4							
	OBS	01400	04.53	35.04	27.78		1492.3							
	OBS	01500	04.40	35.03	27.79		1492.5							
	OBS	01750	04.01	35.00	27.81		1492.0							
	OBS	02000	03.83	34.99	27.82		1492.5							
	OBS	02500	03.41	34.99	27.86		1506.3							
	OBS	03000	02.95	34.96	27.88		1512.9							

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TABLE XX.—Continued

REFID 31 9173	YEAR 1970	BOTDP 04755	AIR TEMP 16.3	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0062	MONTH 05	SHIP EN	WET BULB 12.6	04 1 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 18	DATA USE 1	BAROMETR 1030.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 25 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 062	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	19.29	36.50	26.11		1521.9							
	OBS	00010	19.29	36.51	26.12		1522.1							
	OBS	00020	19.26	36.51	26.12		1522.3							
	OBS	00030	18.76	36.42	26.18		1520.9							
	OBS	00050	17.89	36.45	26.43		1518.7							
	OBS	00075	17.55	36.43	26.50		1518.1							
	OBS	00100	17.48	36.44	26.52		1518.3							
	OBS	00125	17.41	36.43	26.53		1518.5							
	OBS	00150	17.30	36.42	26.55		1518.6							
	OBS	00200	17.08	36.40	26.59		1518.8							
	OBS	00250	16.94	36.39	26.61		1519.1							
	OBS	00300	16.81	36.37	26.63		1519.6							
	OBS	00400	16.22	36.24	26.67		1519.3							
	OBS	00500	15.09	36.03	26.76		1517.1							
	OBS	00600	13.15	35.69	26.91		1512.1							
	OBS	00700	11.35	35.45	27.08		1507.3							
	OBS	00800	09.04	35.14	27.24		1500.2							
	OBS	00900	07.20	35.06	27.48		1494.7							
	OBS	00950	06.30	35.01	27.59		1492.0							
	OBS	00975	06.30	35.07	27.64		1492.5							
	OBS	01000	06.24	35.08	27.61		1492.6							
	OBS	01100	05.76	35.10	27.68		1492.4							
	OBS	01200	05.31	35.07	27.72		1492.2							
	OBS	01240	05.11	35.06	27.73		1492.1							
	OBS	01275	05.04	35.06	27.74		1492.4							
	OBS	01285	04.93	35.04	27.74		1492.1							
	OBS	01300	04.80	35.04	27.74		1492.1							
	OBS	01370	04.74	35.02	27.74		1492.7							
	OBS	01400	04.65	35.04	27.77		1492.8							
	OBS	01420	04.65	35.04	27.77		1493.2							
	OBS	01500	04.49	35.02	27.77		1493.8							

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REFID 31 8173	YEAR 1970	BOTDP 04480	AIR TEMP 16.3	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
CONSEC 0063	MONTH 05	SHIP EN	WET BULB 12.6	05 1 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 34 58 N	DAY 19	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 00 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 063	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	19.12	36.48	26.14		1521.4							
	OBS	00010	19.12	36.48	26.14		1521.6							
	OBS	00020	19.12	36.48	26.14		1521.8							
	OBS	00030	18.71	36.42	26.20		1520.7							
	OBS	00050	18.05	36.49	26.42		1519.2							
	OBS	00075	17.86	36.47	26.45		1519.1							
	OBS	00100	17.62	36.44	26.49		1518.8							
	OBS	00125	17.45	36.44	26.53		1518.7							
	OBS	00150	17.25	36.40	26.55		1518.4							
	OBS	00200	17.04	36.40	26.60		1518.6							
	OBS	00250	16.97	36.39	26.60		1519.2							
	OBS	00300	16.77	36.36	26.63		1519.4							
	OBS	00400	15.99	36.20	26.69		1518.5							
	OBS	00500	14.88	35.97	26.76		1516.4							
	OBS	00600	13.54	35.77	26.90		1513.5							
	OBS	00700	11.45	35.44	27.05		1507.6							
	OBS	00800	09.20	35.26	27.31		1500.9							
	OBS	00835	09.06	35.24	27.32		1501.0							
	OBS	00860	08.90	35.21	27.32		1500.8							
	OBS	00900	08.24	35.24	27.45		1499.0							
	OBS	00925	07.76	35.20	27.49		1497.5							
	OBS	00950	07.73	35.22	27.51		1497.8							
	OBS	01000	07.34	35.24	27.58		1497.2							
	OBS	01060	06.81	35.20	27.62		1496.1							
	OBS	01100	05.66	35.04	27.65		1491.9							
	OBS	01160	05.48	35.06	27.69		1492.2							
	OBS	01200	05.48	35.10	27.72		1493.0							
	OBS	01230	05.46	35.09	27.71		1493.4							
	OBS	01300	05.11	35.08	27.75		1493.1							
	OBS	01365	04.84	35.05	27.75		1493.0							
	OBS	01400	04.84	35.06	27.76		1493.6							
	OBS	01440	04.70	35.04	27.76		1493.7							
	OBS	01470	04.42	35.01	27.77		1493.0							
	OBS	01500	04.37	35.01	27.78		1493.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04389 AIR TEMP 17.9 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
CONSEC 0064 MONTH 05 SHIP EN WET BULB 13.2 04 [illegible] WIND-SPD 17 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 07 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID E41 064 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.36	36.55	26.13		1522.2							
	OBS	00010	19.36	36.55	26.13		1522.4							
	OBS	00020	19.36	36.55	26.13		1522.5							
	OBS	00030	19.36	36.55	26.13		1522.7							
	OBS	00050	17.84	36.45	26.44		1518.6							
	OBS	00075	17.62	36.44	26.49		1518.3							
	OBS	00100	17.50	36.44	26.51		1518.4							
	OBS	00125	17.37	36.44	26.55		1518.4							
	OBS	00150	17.20	36.42	26.57		1518.3							
	OBS	00200	17.05	36.42	26.61		1518.7							
	OBS	00250	16.94	36.40	26.62		1519.2							
	OBS	00300	16.84	36.39	26.64		1519.7							
	OBS	00320	16.84	36.39	26.64		1520.0							
	OBS	00400	16.03	36.19	26.67		1518.6							
	OBS	00440	15.42	36.09	26.74		1517.3							
	OBS	00500	14.65	35.95	26.80		1515.7							
	OBS	00600	13.16	35.72	26.94		1512.2							
	OBS	00640	12.59	35.60	26.96		1510.7							
	OBS	00700	11.25	35.45	27.10		1506.9							
	OBS	00800	09.71	35.30	27.25		1502.9							
	OBS	00820	09.24	35.26	27.30		1501.4							
	OBS	00870	08.54	35.21	27.38		1499.6							
	OBS	00900	08.29	35.22	27.42		1499.1							
	OBS	00940	07.79	35.20	27.48		1497.8							
	OBS	00975	07.69	35.25	27.54		1498.1							
	OBS	01000	07.29	35.18	27.54		1496.9							
	OBS	01090	05.73	35.08	27.67		1492.1							
	OBS	01100	05.82	35.11	27.68		1492.7							
	OBS	01130	05.82	35.10	27.68		1493.2							
	OBS	01170	05.68	35.12	27.71		1493.3							
	OBS	01200	05.46	35.10	27.72		1492.9							
	OBS	01300	05.07	35.08	27.75		1492.9							
	OBS	01360	04.80	35.05	27.76		1492.8							
	OBS	01400	04.76	35.05	27.76		1493.3							
	OBS	01450	04.52	35.01	27.76		1493.1							
	OBS	01500	04.42	35.02	27.78		1493.5							

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REFID 31 8173 YEAR 1970 BOTDP 04572 AIR TEMP 17.2 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0065 MONTH 05 SHIP EN WET BULB 13.4 02 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 19 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 59 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID E41 065 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	OBS	00000	18.71	36.46	26.23		1520.3							
	OBS	00010	18.57	36.46	26.26		1520.0							
	OBS	00020	18.51	36.45	26.27		1520.0							
	OBS	00030	18.43	36.45	26.29		1520.0							
	OBS	00050	17.62	36.45	26.49		1517.9							
	OBS	00075	17.50	36.43	26.51		1518.0							
	OBS	00100	17.21	36.42	26.57		1517.5							
	OBS	00125	17.20	36.44	26.59		1517.9							
	OBS	00150	17.14	36.43	26.59		1518.2							
	OBS	00200	17.04	36.45	26.63		1518.7							
	OBS	00225	17.03	36.44	26.63		1519.1							
	OBS	00250	16.91	36.41	26.63		1519.1							
	OBS	00300	16.63	36.32	26.63		1519.0							
	OBS	00400	16.03	36.21	26.69		1518.6							
	OBS	00500	14.92	36.01	26.79		1516.6							
	OBS	00600	13.75	35.83	26.90		1514.2							
	OBS	00700	11.51	35.49	27.08		1507.9							
	OBS	00800	09.81	35.27	27.21		1503.2							
	OBS	00900	08.37	35.25	27.43		1499.5							
	OBS	01000	07.46	35.25	27.57		1497.7							
	OBS	01100	06.72	35.22	27.65		1496.4							
	OBS	01185	05.46	35.05	27.68		1492.6							
	OBS	01200	05.44	35.07	27.70		1492.8							
	OBS	01220	05.36	35.07	27.71		1492.8							
	OBS	01255	05.05	35.09	27.76		1492.1							
	OBS	01300	05.05	35.08	27.75		1492.9							
	OBS	01400	04.77	35.06	27.77		1493.4							
	OBS	01500	04.52	35.04	27.78		1494.0							
	OBS	01750	04.04	35.00	27.80		1496.1							
	OBS	01920	04.02	35.01	27.81		1498.9							
	OBS	02000	03.84	35.00	27.82		1499.5							
	OBS	02500	03.45	34.98	27.85		1506.4							
	OBS	03000	02.73	34.97	27.91		1512.0							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 17.1 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0066 MONTH 05 SHIP EN WET BULB 12.9 02 2 2 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2
LAT 34 55 N DAY 19 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 07 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 066 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	OBS	00000	19.15	36.47	26.12		1521.5							
	OBS	00010	19.15	36.47	26.12		1521.7							
	OBS	00020	19.15	36.47	26.12		1521.8							
	OBS	00030	18.57	36.42	26.23		1520.3							
	OBS	00050	17.79	36.45	26.45		1518.4							
	OBS	00075	17.51	36.44	26.51		1518.0							
	OBS	00100	17.42	36.45	26.54		1518.2							
	OBS	00125	17.21	36.41	26.56		1517.9							
	OBS	00150	17.22	36.44	26.58		1518.4							
	OBS	00200	17.13	36.44	26.60		1519.0							
	OBS	00250	16.92	36.40	26.62		1519.1							
	OBS	00300	16.85	36.39	26.63		1519.7							
	OBS	00400	16.41	36.31	26.68		1519.9							
	OBS	00440	15.56	36.10	26.71		1517.7							
	OBS	00500	14.90	36.00	26.78		1516.5							
	OBS	00600	13.27	35.72	26.91		1512.5							
	OBS	00700	11.22	35.43	27.09		1506.8							
	OBS	00800	09.59	35.29	27.27		1502.4							
	OBS	00900	08.21	35.21	27.43		1498.8							
	OBS	00945	07.59	35.20	27.51		1497.2							
	OBS	00970	07.59	35.24	27.54		1497.6							
	OBS	01000	07.19	35.19	27.56		1496.5							
	OBS	01100	05.71	35.04	27.64		1492.1							
	OBS	01200	05.37	35.07	27.71		1492.5							
	OBS	01300	05.00	35.06	27.74		1492.6							
	OBS	01380	04.66	35.03	27.76		1492.5							
	OBS	01400	04.67	35.03	27.76		1492.9							
	OBS	01500	04.45	35.02	27.77		1493.7							

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REFID 31 8173 YEAR 1970 BOTDP 04846 AIR TEMP 16.9 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0067 MONTH 05 SHIP EN WET BULB 14.3 02 1 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2
LAT 34 50 N DAY 20 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 21 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 067 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	19.26	36.53	26.14		1521.9							
	OBS	00010	19.26	36.53	26.14		1522.1							
	OBS	00020	19.26	36.53	26.14		1522.2							
	OBS	00030	19.26	36.53	26.14		1522.4							
	OBS	00050	18.52	36.39	26.22		1520.5							
	OBS	00075	17.63	36.42	26.47		1518.3							
	OBS	00100	17.38	36.42	26.53		1518.0							
	OBS	00125	17.28	36.42	26.55		1517.1							
	OBS	00150	17.19	36.41	26.57		1518.3							
	OBS	00200	17.06	36.40	26.59		1518.7							
	OBS	00250	16.97	36.40	26.61		1519.3							
	OBS	00300	16.88	36.39	26.63		1519.8							
	OBS	00360	16.82	36.38	26.63		1520.6							
	OBS	00400	16.44	36.29	26.65		1520.0							
	OBS	00500	15.23	36.00	26.71		1517.5							
	OBS	00600	13.49	35.76	26.90		1513.3							
	OBS	00700	11.66	35.46	27.09		1508.4							
	OBS	00800	09.47	35.25	27.26		1501.9							
	OBS	00900	08.02	35.19	27.44		1498.1							
	OBS	00920	07.94	35.17	27.44		1498.1							
	OBS	00940	07.24	35.11	27.49		1495.6							
	OBS	01000	06.56	35.11	27.59		1494.0							
	OBS	01060	05.74	35.06	27.65		1491.6							
	OBS	01100	05.65	35.07	27.67		1491.9							
	OBS	01175	05.31	35.07	27.72		1491.8							
	OBS	01200	05.31	35.09	27.73		1492.3							
	OBS	01300	04.93	35.06	27.75		1492.3							
	OBS	01400	04.54	35.02	27.76		1492.4							
	OBS	01420	04.48	35.02	27.77		1492.4							
	OBS	01500	04.37	35.02	27.78		1493.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04480 AIR TEMP 19.0 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206
CONSEC 0068 MONTH 05 SHIP EN WET BULB 14.8 01 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 20 DATA USE 1 BAROMETR 1020.7 SEA WIND-FDR DURATION 00.3 2 SQUARE 46
LONG 047 56 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 068 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.14	36.43	26.35		1516.6							
	OBS	00010	18.14	36.43	26.35		1518.8							
	OBS	00020	18.14	36.43	26.35		1518.9							
	OBS	00030	18.14	36.43	26.35		1519.1							
	OBS	00050	18.05	36.41	26.36		1519.1							
	OBS	00075	17.18	36.44	26.59		1517.1							
	OBS	00100	17.17	36.44	26.60		1517.4							
	OBS	00125	17.14	36.44	26.60		1517.8							
	OBS	00150	17.12	36.44	26.61		1518.1							
	OBS	00200	17.11	36.44	26.61		1518.9							
	OBS	00250	17.09	36.44	26.61		1519.7							
	OBS	00300	16.93	36.41	26.63		1520.0							
	OBS	00340	16.68	36.36	26.65		1519.8							
	OBS	00360	16.59	36.32	26.64		1519.8							
	OBS	00400	16.56	36.34	26.66		1520.4							
	OBS	00425	16.26	36.29	26.69		1519.8							
	OBS	00465	16.05	36.21	26.68		1519.8							
	OBS	00500	15.24	36.06	26.75		1517.7							
	OBS	00535	14.81	36.01	26.81		1516.8							
	OBS	00600	14.17	35.91	26.87		1515.7							
	OBS	00700	11.37	35.43	27.06		1507.3							
	OBS	00800	09.52	35.26	27.26		1502.1							
	OBS	00840	08.70	35.24	27.37		1499.7							
	OBS	00900	08.14	35.25	27.47		1498.6							
	OBS	00970	07.64	35.25	27.54		1497.9							
	OBS	01000	07.53	35.26	27.57		1497.9							
	OBS	01100	06.80	35.23	27.65		1496.7							
	OBS	01130	06.31	35.19	27.68		1495.2							
	OBS	01160	06.31	35.21	27.70		1495.8							
	OBS	01200	06.06	35.17	27.70		1495.4							
	OBS	01245	05.12	35.02	27.70		1492.1							
	OBS	01300	05.13	35.07	27.74		1493.2							
	OBS	01350	04.84	35.04	27.75		1492.8							
	OBS	01400	04.82	35.05	27.76		1493.5							
	OBS	01500	04.48	35.03	27.78		1493.8							

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REFID 31 8173 YEAR 1970 BOTDP 04846 AIR TEMP 18.4 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1206
CONSEC 0069 MONTH 05 SHIP EN WET BULB 16.1 02 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 20 DATA USE 1 BAROMETR 1019.3 SEA WIND-FDR DURATION 00.6 2 SQUARE 46
LONG 047 58 W HOUR 17.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 069 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.7	OBS	00000	18.46	36.42	26.26		1519.5							
	OBS	00010	18.31	36.39	26.28		1519.2							
	OBS	00020	18.13	36.41	26.34		1518.9							
	OBS	00030	18.06	36.42	26.36		1518.9							
	OBS	00050	18.02	36.41	26.36		1519.1							
	OBS	00075	17.24	36.45	26.59		1517.2							
	OBS	00100	17.13	36.44	26.60		1517.3							
	OBS	00125	17.12	36.45	26.61		1517.7							
	OBS	00150	17.12	36.45	26.61		1518.1							
	OBS	00200	17.06	36.44	26.62		1518.7							
	OBS	00250	16.93	36.41	26.63		1519.1							
	OBS	00300	16.66	36.35	26.65		1519.1							
	OBS	00400	15.79	36.14	26.69		1517.8							
	OBS	00500	14.87	35.98	26.77		1516.4							
	OBS	00600	13.43	35.77	26.92		1513.1							
	OBS	00700	11.52	35.43	27.03		1507.8							
	OBS	00800	09.51	35.25	27.25		1502.1							
	OBS	00900	08.19	35.24	27.45		1498.8							
	OBS	01000	07.42	35.25	27.58		1497.5							
	OBS	01100	06.63	35.21	27.66		1496.0							
	OBS	01170	06.07	35.17	27.70		1494.9							
	OBS	01200	06.24	35.21	27.71		1496.2							
	OBS	01260	05.19	35.06	27.72		1492.7							
	OBS	01290	05.13	35.09	27.75		1493.0							
	OBS	01300	05.15	35.09	27.75		1493.3							
	OBS	01400	04.82	35.06	27.76		1493.6							
	OBS	01500	04.49	35.04	27.79		1493.9							
	OBS	01750	04.04	35.00	27.80		1496.1							
	OBS	02000	03.81	35.00	27.83		1499.4							
	OBS	02500	03.48	35.00	27.86		1506.6							
	OBS	03000	02.90	34.97	27.89		1512.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 05121 AIR TEMP 16.8 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0070 MONTH 05 SHIP EN WET BULB 15.6 02 0 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 51 N DAY 21 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DUPATION 00.3 2 SQUARE 4R
LONG 048 07 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X. ORIG E41 070 1 SQUARE 4R

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	18.66	36.44	26.23		1520.1							
	OBS	00010	18.65	36.44	26.23		1520.2							
	OBS	00020	18.60	36.45	26.25		1520.3							
	OBS	00030	18.50	36.46	26.28		1520.2							
	OBS	00050	18.05	36.42	26.36		1519.2							
	OBS	00075	17.48	36.42	26.50		1517.9							
	OBS	00100	17.32	36.43	26.55		1517.9							
	OBS	00125	17.16	36.41	26.57		1517.8							
	OBS	00150	17.04	36.40	26.60		1517.8							
	OBS	00200	16.96	36.40	26.62		1518.4							
	OBS	00250	16.92	36.41	26.63		1519.1							
	OBS	00300	16.87	36.39	26.63		1519.6							
	OBS	00400	16.19	36.25	26.68		1519.2							
	OBS	00500	15.05	36.03	26.77		1517.0							
	OBS	00600	13.61	35.77	26.88		1513.7							
	OBS	00700	11.53	35.47	27.06		1507.9							
	OBS	00800	09.24	35.24	27.29		1501.1							
	OBS	00840	08.02	35.25	27.49		1498.0							
	OBS	00900	08.02	35.24	27.49		1498.1							
	OBS	00970	07.34	35.21	27.56		1496.6							
	OBS	01000	07.26	35.23	27.58		1496.9							
	OBS	01100	06.05	35.09	27.64		1493.6							
	OBS	01120	05.90	35.08	27.65		1493.3							
	OBS	01200	05.51	35.09	27.71		1493.1							
	OBS	01300	05.11	35.07	27.74		1493.1							
	OBS	01400	04.75	35.04	27.76		1493.2							
	OBS	01430	04.60	35.03	27.77		1493.1							
	OBS	01500	04.50	35.02	27.77		1493.9							

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REFID 31 8173 YEAR 1970 BOTDP 04938 AIR TEMP 17.3 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0071 MONTH 05 SHIP EN WET BULB 15.6 04 1 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 21 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 4R
LONG 048 13 W HOUR 06.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 071 1 SQUARE 5R

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.4	OBS	00000	19.46	36.55	26.10		1522.5							
	OBS	00010	19.46	36.55	26.10		1522.6							
	OBS	00020	19.45	36.55	26.11		1522.8							
	OBS	00030	19.44	36.55	26.11		1522.9							
	OBS	00040	18.42	36.33	26.20		1519.9							
	OBS	00050	17.99	36.44	26.39		1519.0							
	OBS	00075	17.76	36.46	26.47		1518.8							
	OBS	00100	17.60	36.45	26.50		1518.7							
	OBS	00125	17.46	36.44	26.52		1518.7							
	OBS	00150	17.32	36.43	26.55		1518.7							
	OBS	00200	17.13	36.42	26.59		1518.9							
	OBS	00250	17.07	36.42	26.60		1519.6							
	OBS	00300	16.98	36.40	26.61		1520.1							
	OBS	00340	16.84	36.36	26.61		1520.3							
	OBS	00400	16.24	36.23	26.65		1519.3							
	OBS	00500	15.03	35.98	26.74		1516.9							
	OBS	00600	13.49	35.75	26.89		1513.3							
	OBS	00700	11.45	35.46	27.07		1507.6							
	OBS	00800	09.88	35.31	27.23		1503.5							
	OBS	00900	08.47	35.23	27.40		1499.8							
	OBS	01000	06.59	35.04	27.53		1494.0							
	OBS	01080	05.95	35.06	27.63		1492.8							
	OBS	01100	05.98	35.12	27.67		1493.3							
	OBS	01200	05.45	35.10	27.72		1492.8							
	OBS	01300	05.13	35.07	27.74		1493.2							
	OBS	01325	05.11	35.06	27.73		1493.5							
	OBS	01400	04.74	35.05	27.77		1493.2							
	OBS	01500	04.50	35.04	27.79		1493.9							

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TABLE XX.—Continued

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 02286 AIR TEMP 18.1 DIR HGT PER #IND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0074 MONTH 05 SHIP EN WET BULB 15.5 30 0 X #IND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 13 N DAY 22 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 07 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 074 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	19.41	36.49	26.07		1522.3							
	OBS	00010	19.18	36.49	26.13		1521.8							
	OBS	00020	19.15	36.50	26.15		1521.9							
	OBS	00030	19.06	36.49	26.16		1521.8							
	OBS	00050	18.92	36.47	26.18		1521.7							
	OBS	00075	17.83	36.43	26.43		1518.9							
	OBS	00100	17.61	36.44	26.49		1518.7							
	OBS	00125	17.52	36.44	26.51		1518.9							
	OBS	00150	17.30	36.43	26.56		1518.6							
	OBS	00200	17.15	36.43	26.59		1519.0							
	OBS	00250	17.05	36.41	26.60		1519.5							
	OBS	00300	16.93	36.39	26.61		1519.9							
	OBS	00400	16.31	36.27	26.67		1519.6							
	OBS	00500	15.08	36.02	26.76		1517.1							
	OBS	00600	13.81	35.82	26.88		1514.4							
	OBS	00700	11.93	35.53	27.03		1509.4							
	OBS	00800	09.91	35.27	27.20		1503.6							
	OBS	00830	09.08	35.23	27.30		1501.0							
	OBS	00900	08.19	35.07	27.32		1498.6							
	OBS	00920	07.51	35.11	27.45		1496.3							
	OBS	01000	06.18	35.05	27.59		1492.4							
	OBS	01055	05.84	35.04	27.63		1491.9							
	OBS	01100	05.91	35.10	27.66		1493.0							
	OBS	01140	05.63	35.10	27.70		1492.6							
	OBS	01200	05.51	35.11	27.72		1493.1							
	OBS	01300	05.15	35.08	27.74		1493.3							
	OBS	01400	04.92	35.07	27.76		1494.0							
	OBS	01500	04.05	35.04	27.83		1492.0							

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REFID 31 8173 YEAR 1970 BOTDP 04206 AIR TEMP 17.9 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0075 MONTH 05 SHIP EN WET BULB 15.3 00 0 X #IND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 22 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 18 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR #EATHER X1 ORIG E41 075 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	19.45	36.51	26.08		1522.4							
	OBS	00010	19.44	36.53	26.09		1522.6							
	OBS	00020	19.39	36.54	26.11		1522.6							
	OBS	00030	18.53	36.37	26.21		1520.1							
	OBS	00050	17.93	36.46	26.42		1518.9							
	OBS	00075	17.68	36.45	26.48		1518.5							
	OBS	00100	17.52	36.45	26.52		1518.5							
	OBS	00125	17.36	36.43	26.54		1518.4							
	OBS	00150	17.23	36.42	26.57		1518.4							
	OBS	00200	17.07	36.41	26.60		1518.7							
	OBS	00250	17.00	36.41	26.61		1519.4							
	OBS	00300	16.82	36.35	26.61		1519.6							
	OBS	00350	16.44	36.27	26.64		1519.1							
	OBS	00400	15.78	36.15	26.70		1517.8							
	OBS	00500	14.63	35.95	26.80		1515.6							
	OBS	00600	13.12	35.68	26.91		1512.0							
	OBS	00700	11.94	35.46	26.98		1509.3							
	OBS	00800	10.02	35.33	27.23		1504.0							
	OBS	00900	08.04	35.13	27.39		1498.1							
	OBS	00965	06.63	35.03	27.51		1493.5							
	OBS	01000	06.47	35.06	27.56		1493.5							
	OBS	01060	05.88	35.03	27.61		1492.1							
	OBS	01100	05.89	35.09	27.66		1492.9							
	OBS	01140	05.93	35.11	27.67		1493.8							
	OBS	01200	05.56	35.10	27.71		1493.3							
	OBS	01300	05.14	35.07	27.74		1493.2							
	OBS	01330	05.12	35.07	27.74		1493.6							
	OBS	01400	04.69	35.03	27.76		1493.0							
	OBS	01500	04.44	35.01	27.77		1493.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 02743 AIR TEMP 20.2 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0076 MONTH 05 SHIP EN WET BULB 16.4 00 0 X WIND-SPD 11 TRACE DIR 0 5 SQUARE 4
LAT 35 08 N DAY 22 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 03 W HOUR 12.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 076 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	19.21	36.46	26.10		1521.7							
	OBS	00010	18.93	36.47	26.18		1521.1							
	OBS	00020	18.90	36.47	26.19		1521.1							
	OBS	00030	18.57	36.41	26.23		1520.3							
	OBS	00050	18.23	36.44	26.33		1519.7							
	OBS	00075	17.55	36.42	26.49		1518.1							
	OBS	00100	17.33	36.42	26.54		1517.9							
	OBS	00125	17.21	36.44	26.58		1518.0							
	OBS	00150	17.15	36.44	26.60		1518.2							
	OBS	00200	17.10	36.44	26.61		1518.9							
	OBS	00250	16.99	36.43	26.63		1519.3							
	OBS	00300	16.68	36.34	26.64		1519.1							
	OBS	00305	16.59	36.34	26.66		1519.9							
	OBS	00400	16.34	36.30	26.69		1519.7							
	OBS	00500	15.22	36.04	26.74		1517.6							
	OBS	00600	13.76	35.83	26.90		1514.3							
	OBS	00640	13.33	35.75	26.92		1513.4							
	OBS	00700	11.52	35.46	27.06		1507.9							
	OBS	00800	09.87	35.30	27.23		1503.5							
	OBS	00830	09.15	35.24	27.30		1501.2							
	OBS	00900	08.30	35.22	27.42		1499.2							
	OBS	00935	07.77	35.19	27.48		1497.7							
	OBS	01000	07.23	35.16	27.53		1496.6							
	OBS	01090	05.73	35.04	27.64		1492.0							
	OBS	01100	05.73	35.04	27.64		1492.2							
	OBS	01140	05.78	35.11	27.69		1493.2							
	OBS	01200	05.48	35.10	27.72		1493.0							
	OBS	01300	05.11	35.09	27.75		1493.1							
	OBS	01400	04.76	35.05	27.76		1493.3							
	OBS	01500	04.56	35.03	27.77		1494.1							

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REFID 31 8173 YEAR 1970 BOTDP 03017 AIR TEMP 18.8 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0077 MONTH 05 SHIP EN WET BULB 15.7 11 1 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 35 01 N DAY 22 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 05 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 077 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	18.69	36.40	26.19		1520.1							
	OBS	00010	18.25	36.41	26.31		1519.1							
	OBS	00020	18.25	36.42	26.31		1519.2							
	OBS	00030	18.21	36.42	26.32		1519.3							
	OBS	00050	17.89	36.40	26.39		1518.7							
	OBS	00075	17.16	36.43	26.59		1517.0							
	OBS	00100	17.14	36.43	26.59		1517.3							
	OBS	00125	17.14	36.43	26.59		1517.7							
	OBS	00150	17.10	36.43	26.60		1518.0							
	OBS	00200	17.03	36.41	26.61		1518.6							
	OBS	00250	16.91	36.39	26.62		1519.1							
	OBS	00300	16.75	36.37	26.64		1519.4							
	OBS	00400	16.05	36.23	26.70		1518.7							
	OBS	00500	15.12	36.04	26.76		1517.3							
	OBS	00600	13.51	35.74	26.88		1513.3							
	OBS	00700	11.51	35.45	27.05		1507.8							
	OBS	00800	09.63	35.28	27.25		1502.5							
	OBS	00900	08.28	35.22	27.42		1499.1							
	OBS	01000	07.45	35.24	27.56		1497.6							
	OBS	01060	06.98	35.21	27.61		1496.7							
	OBS	01100	06.89	35.22	27.63		1497.1							
	OBS	01200	05.45	35.07	27.70		1492.8							
	OBS	01300	05.15	35.08	27.74		1493.3							
	OBS	01400	04.89	35.06	27.76		1493.8							
	OBS	01500	04.51	35.02	27.77		1493.9							
	OBS	01600	04.37	35.00	27.77		1495.0							
	OBS	01750	04.12	35.00	27.79		1496.5							
	OBS	02000	03.86	34.99	27.81		1499.6							
	OBS	02500	03.43	34.97	27.84		1506.3							
	OBS	02850	03.09	34.96	27.87		1510.9							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 03931 AIR TEMP 18.6 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0078 MONTH 05 SHIP EN WET BULB 16.5 11 0 4 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 23 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 09 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 078 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	18.57	36.44	26.25		1519.8							
	OBS	00010	18.41	36.40	26.26		1519.5							
	OBS	00020	18.20	36.40	26.31		1519.1							
	OBS	00030	18.17	36.41	26.33		1519.2							
	OBS	00050	17.88	36.43	26.41		1518.7							
	OBS	00075	17.53	36.42	26.49		1518.1							
	OBS	00100	17.30	36.41	26.54		1517.8							
	OBS	00125	17.09	36.40	26.58		1517.6							
	OBS	00150	17.08	36.42	26.60		1518.0							
	OBS	00200	16.92	36.36	26.61		1518.3							
	OBS	00250	16.82	36.38	26.63		1518.8							
	OBS	00300	16.59	36.34	26.66		1518.9							
	OBS	00380	16.39	36.31	26.68		1519.5							
	OBS	00400	16.21	36.26	26.68		1519.3							
	OBS	00500	15.01	36.02	26.77		1516.9							
	OBS	00600	13.47	35.76	26.90		1513.2							
	OBS	00700	11.51	35.44	27.04		1507.8							
	OBS	00800	09.75	35.28	27.23		1503.0							
	OBS	00840	08.97	35.21	27.32		1500.3							
	OBS	00900	08.21	35.19	27.41		1498.8							
	OBS	00930	07.77	35.18	27.47		1497.6							
	OBS	00960	07.65	35.21	27.51		1497.7							
	OBS	01000	06.92	35.09	27.52		1495.3							
	OBS	01100	05.85	35.04	27.62		1492.7							
	OBS	01160	05.72	35.09	27.68		1493.2							
	OBS	01200	05.53	35.09	27.70		1493.1							
	OBS	01300	05.13	35.06	27.73		1493.2							
	OBS	01400	04.74	35.04	27.76		1493.2							
	OBS	01500	04.49	35.02	27.77		1493.8							

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REFID 31 8173 YEAR 1970 BOTDP 03475 AIR TEMP 19.2 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206
CONSEC 0079 MONTH 05 SHIP EN WET BULB 17.7 09 1 3 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 23 DATA USE 1 BAROMETR 1014.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 07 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 079 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	18.59	36.38	26.20		1519.8							
	OBS	00010	18.50	36.38	26.22		1519.7							
	OBS	00020	18.34	36.38	26.26		1519.5							
	OBS	00030	17.98	36.35	26.33		1518.5							
	OBS	00050	17.24	36.30	26.47		1516.6							
	OBS	00060	16.96	36.32	26.55		1516.0							
	OBS	00075	16.97	36.39	26.60		1516.4							
	OBS	00080	17.03	36.44	26.63		1516.7							
	OBS	00100	17.03	36.44	26.63		1517.0							
	OBS	00125	17.03	36.43	26.62		1517.4							
	OBS	00150	17.01	36.43	26.63		1517.8							
	OBS	00200	16.92	36.41	26.63		1518.3							
	OBS	00250	16.64	36.35	26.65		1518.2							
	OBS	00300	16.54	36.34	26.67		1518.7							
	OBS	00350	16.47	36.32	26.67		1519.3							
	OBS	00400	16.27	36.29	26.69		1519.5							
	OBS	00430	16.21	36.27	26.69		1519.8							
	OBS	00500	15.31	36.09	26.76		1517.9							
	OBS	00560	14.10	35.87	26.86		1514.8							
	OBS	00580	14.14	35.91	26.88		1515.3							
	OBS	00600	13.90	35.83	26.87		1514.7							
	OBS	00700	11.70	35.49	27.05		1508.5							
	OBS	00800	09.46	35.24	27.25		1501.9							
	OBS	00810	09.15	35.24	27.30		1500.9							
	OBS	00860	08.52	35.21	27.38		1499.3							
	OBS	00880	08.22	35.21	27.43		1498.5							
	OBS	00900	08.13	35.22	27.45		1498.5							
	OBS	01000	07.49	35.24	27.56		1497.8							
	OBS	01040	07.01	35.22	27.61		1496.5							
	OBS	01060	06.94	35.24	27.64		1496.6							
	OBS	01100	06.74	35.22	27.65		1496.5							
	OBS	01140	05.89	35.08	27.65		1493.6							
	OBS	01200	05.50	35.06	27.68		1493.0							
	OBS	01260	05.46	35.10	27.72		1493.9							
	OBS	01300	05.27	35.08	27.73		1493.7							
	OBS	01355	05.02	35.07	27.75		1493.6							
	OBS	01400	04.95	35.06	27.75		1494.1							
	OBS	01500	04.49	35.02	27.77		1493.8							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 21.3 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0080 MONTH 05 SHIP EN WET BULB 18.6 12 2 3 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 23 DATA USE 1 BAROMETP 1015.6 SEA WIND-FDR DURATION 00.4 2 SQUARE 46
LONG 047 58 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 080 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	18.79	36.47	26.22		1520.5							
	OBS	00010	18.72	36.44	26.21		1520.4							
	OBS	00020	18.49	36.44	26.27		1520.0							
	OBS	00030	18.27	36.40	26.29		1519.4							
	OBS	00050	17.77	36.41	26.43		1518.3							
	OBS	00075	17.20	36.41	26.56		1517.1							
	OBS	00100	17.16	36.43	26.59		1517.4							
	OBS	00125	17.14	36.44	26.60		1517.8							
	OBS	00150	17.11	36.44	26.61		1518.1							
	OBS	00200	17.09	36.44	26.61		1518.8							
	OBS	00250	17.02	36.43	26.62		1519.4							
	OBS	00300	16.88	36.40	26.63		1519.8							
	OBS	00330	16.59	36.36	26.67		1519.4							
	OBS	00400	16.53	36.35	26.68		1520.3							
	OBS	00415	16.41	36.35	26.71		1520.2							
	OBS	00500	15.20	36.08	26.78		1517.6							
	OBS	00520	14.81	35.97	26.78		1516.5							
	OBS	00580	14.23	35.91	26.86		1515.6							
	OBS	00600	13.91	35.83	26.86		1514.8							
	OBS	00700	11.39	35.46	27.08		1507.4							
	OBS	00800	09.46	35.27	27.27		1501.9							
	OBS	00900	08.39	35.25	27.43		1499.6							
	OBS	00920	08.04	35.24	27.48		1498.5							
	OBS	01000	07.41	35.24	27.57		1497.5							
	OBS	01100	06.78	35.23	27.65		1496.6							
	OBS	01105	06.77	35.23	27.65		1496.7							
	OBS	01130	06.40	35.19	27.67		1495.6							
	OBS	01175	06.27	35.21	27.70		1495.9							
	OBS	01200	05.59	35.10	27.70		1493.4							
	OBS	01235	05.08	35.04	27.72		1491.8							
	OBS	01250	05.16	35.08	27.74		1492.5							
	OBS	01300	05.09	35.07	27.74		1493.0							
	OBS	01322	05.07	35.07	27.74		1493.3							
	OBS	01330	04.88	35.04	27.74		1492.6							
	OBS	01400	04.82	35.05	27.76		1493.5							
	OBS	01500	04.53	35.04	27.76		1494.0							

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REFID 31 8173 YEAR 1970 BOTDP 03935 AIR TEMP 19.4 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0081 MONTH 05 SHIP EN WET BULB 17.8 11 2 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 23 DATA USE 1 BAROMETR 1015.9 SEA WIND-FDR DURATION 01.0 2 SQUARE 48
LONG 048 13 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 081 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.0	OBS	00000	19.48	36.51	26.07		1522.5							
	OBS	00010	18.99	36.35	26.07		1521.1							
	OBS	00020	18.11	36.42	26.35		1518.8							
	OBS	00030	18.10	36.42	26.35		1519.0							
	OBS	00050	17.73	36.44	26.46		1518.3							
	OBS	00075	17.52	36.43	26.50		1518.0							
	OBS	00100	17.29	36.41	26.54		1517.7							
	OBS	00125	17.19	36.41	26.57		1517.9							
	OBS	00150	17.07	36.42	26.60		1517.9							
	OBS	00200	16.97	36.40	26.61		1518.4							
	OBS	00250	16.85	36.38	26.63		1518.9							
	OBS	00300	16.78	36.38	26.64		1519.5							
	OBS	00400	16.09	36.21	26.67		1513.8							
	OBS	00500	14.92	36.01	26.79		1516.6							
	OBS	00600	13.39	35.73	26.90		1512.9							
	OBS	00700	11.49	35.47	27.07		1507.8							
	OBS	00800	09.75	35.28	27.23		1503.0							
	OBS	00900	08.19	35.19	27.41		1498.7							
	OBS	01000	06.68	35.09	27.55		1494.4							
	OBS	01030	05.93	35.02	27.60		1491.8							
	OBS	01100	05.90	35.12	27.68		1493.0							
	OBS	01120	05.91	35.12	27.68		1493.4							
	OBS	01200	05.47	35.09	27.71		1492.9							
	OBS	01240	05.21	35.07	27.73		1492.5							
	OBS	01300	05.11	35.07	27.74		1493.1							
	OBS	01400	04.67	35.03	27.76		1492.9							
	OBS	01500	04.49	35.03	27.78		1493.8							
	OBS	01750	04.09	35.00	27.80		1496.4							
	OBS	02000	03.87	34.99	27.81		1499.7							
	OBS	02500	03.42	34.96	27.83		1506.3							
	OBS	03000	02.98	34.96	27.88		1513.0							

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TABLE XX.—Continued

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REFID  31  8173     YEAR 1970     BOTDP 04114     AIR TEMP   19.6     DIR HGT PER     WIND-DIR 09     INST STD RECORDER      TEN SQ 1206
CONSEC      0082    MONTH  05     SHIP EN         WET BULB   18.4      12  2   3      WIND-SPD 12     TRACE DIR         D    5 SQUARE  4
LAT    35 06  N     DAY    23     DATA USE  1     BAROMETR 1016.6      SEA            WIND-FOR        DURATION      00.4   2 SQUARE 48
LONG  048 17  W     HOUR 23.9     AREA      05    CLOUD T/A            CL/TR          WEATHER  X1     ORIG E41 082         1 SQUARE 58

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SI03    PH

        23.9   OBS     00000     18.67     36.44     26.17               1520.7
               OBS     00010     18.86     36.44     26.17               1520.8
               OBS     00020     18.70     36.44     26.22               1520.5
               OBS     00030     18.24     36.44     26.33               1519.4
               OBS     00050     18.19     36.44     26.34               1519.6
               OBS     00075     17.48     36.42     26.50               1517.9
               OBS     00100     17.40     36.42     26.52               1518.1
               OBS     00125     17.10     36.39     26.57               1517.6
               OBS     00150     17.01     36.39     26.60               1517.7
               OBS     00200     17.01     36.42     26.62               1518.6
               OBS     00250     16.85     36.39     26.63               1518.9
               OBS     00300     16.75     36.36     26.63               1519.4
               OBS     00400     15.93     36.16     26.67               1518.3
               OBS     00455     15.59     36.12     26.72               1518.1
               OBS     00500     14.99     36.00     26.76               1516.8
               OBS     00600     13.34     35.72     26.90               1512.7
               OBS     00700     11.09     35.42     27.10               1506.3
               OBS     00800     09.28     35.24     27.28               1501.2
               OBS     00900     08.07     35.19     27.43               1498.3
               OBS     01000     06.14     35.13     27.58               1492.2
               OBS     01040     05.96     35.06     27.63               1492.2
               OBS     01090     05.95     35.11     27.67               1493.0
               OBS     01100     05.89     35.10     27.67               1492.9
               OBS     01200     05.35     35.09     27.72               1492.4
               OBS     01300     05.05     35.06     27.74               1492.8
               OBS     01400     04.74     35.05     27.77               1493.2
               OBS     01500     04.54     35.03     27.77               1494.0

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REFID  31  8173     YEAR 1970     BOTDP 04572     AIR TEMP   19.1     DIR HGT PER     WIND-DIR 09     INST STD RECORDER      TEN SQ 1206
CONSEC      0083    MONTH  05     SHIP EN         WET BULB   18.9      08  1   3      WIND-SPD 12     TRACE DIR         D    5 SQUARE  2
LAT    34 59  N     DAY    24     DATA USE  1     BAROMETR 1014.6      SEA            WIND-FOR        DURATION      00.3   2 SQUARE 46
LONG  047 57  W     HOUR 06.4     AREA      05    CLOUD T/A            CL/TR          WEATHER  X2     ORIG E41 083         1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SI03    PH

        06.4   OBS     00000     18.87     36.47     26.20               1520.7
               OBS     00010     18.80     36.45     26.20               1520.7
               OBS     00020     18.56     36.42     26.24               1520.1
               OBS     00030     18.11     36.41     26.34               1519.0
               OBS     00050     17.59     36.42     26.48               1517.8
               OBS     00075     17.25     36.39     26.54               1517.2
               OBS     00100     17.15     36.43     26.59               1517.4
               OBS     00125     17.15     36.43     26.59               1517.8
               OBS     00150     17.15     36.44     26.60               1518.2
               OBS     00200     17.13     36.44     26.60               1519.0
               OBS     00250     17.05     36.44     26.62               1519.5
               OBS     00300     16.81     36.39     26.64               1519.6
               OBS     00400     16.15     36.24     26.68               1519.0
               OBS     00500     14.85     35.96     26.76               1516.3
               OBS     00600     13.41     35.74     26.90               1513.0
               OBS     00700     11.60     35.49     27.06               1508.2
               OBS     00800     09.62     35.28     27.25               1502.5
               OBS     00900     08.15     35.24     27.46               1498.6
               OBS     01000     07.41     35.24     27.57               1497.5
               OBS     01100     06.74     35.23     27.66               1496.5
               OBS     01200     05.73     35.15     27.73               1494.0
               OBS     01250     05.21     35.08     27.73               1492.7
               OBS     01300     05.01     35.06     27.74               1492.7
               OBS     01315     04.91     35.04     27.74               1492.5
               OBS     01400     04.77     35.06     27.77               1493.4
               OBS     01500     04.48     35.04     27.79               1493.8

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04572 AIR TEMP 19.7 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0084 MONTH 05 SHIP EN WET BULB 19.9 06 1 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 24 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 GRID E41 084 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	19.35	36.51	26.10		1522.1							
	OBS	00010	19.36	36.51	26.09		1522.4							
	OBS	00020	18.91	36.49	26.20		1521.2							
	OBS	00030	18.20	36.47	26.36		1519.3							
	OBS	00050	17.94	36.47	26.43		1518.9							
	OBS	00075	17.09	36.44	26.61		1516.8							
	OBS	00100	17.60	36.43	26.46		1518.7							
	OBS	00125	17.26	36.43	26.57		1518.1							
	OBS	00150	17.13	36.42	26.59		1518.1							
	OBS	00200	17.12	36.44	26.61		1518.9							
	OBS	00250	17.04	36.44	26.63		1519.5							
	OBS	00300	16.66	36.35	26.65		1519.1							
	OBS	00335	16.60	36.35	26.66		1519.5							
	OBS	00370	16.18	36.25	26.68		1518.7							
	OBS	00400	15.94	36.20	26.70		1518.4							
	OBS	00500	14.95	35.97	26.75		1516.6							
	OBS	00600	12.74	35.62	26.94		1510.6							
	OBS	00700	10.74	35.38	27.14		1505.0							
	OBS	00800	09.14	35.27	27.33		1500.7							
	OBS	00900	08.11	35.25	27.47		1498.5							
	OBS	01000	07.30	35.24	27.59		1497.0							
	OBS	01025	07.10	35.24	27.61		1496.7							
	OBS	01060	07.05	35.24	27.62		1497.0							
	OBS	01100	06.46	35.17	27.65		1495.3							
	OBS	01110	06.16	35.17	27.69		1494.3							
	OBS	01200	06.10	35.20	27.72		1495.6							
	OBS	01270	05.89	35.20	27.75		1495.9							
	OBS	01300	05.58	35.16	27.75		1495.1							
	OBS	01400	05.03	35.09	27.76		1494.5							
	OBS	01430	04.68	35.04	27.77		1493.5							
	OBS	01500	04.46	35.03	27.78		1493.7							

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REFID 31 8173 YEAR 1970 BOTDP 04572 AIR TEMP 20.[illegible] DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0085 MONTH 05 SHIP EN WET BULB 20.0 12 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 24 DATA USE 1 BAROMETR 1014.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 59 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID E41 085 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
17.6	OBS	00000	19.74	36.45	25.95		1523.1							
	OBS	00010	19.01	36.44	26.14		1521.3							
	OBS	00020	18.66	36.44	26.23		1520.4							
	OBS	00030	18.39	36.46	26.31		1519.9							
	OBS	00050	17.81	36.47	26.46		1518.5							
	OBS	00075	17.56	36.42	26.48		1516.1							
	OBS	00100	17.23	36.43	26.57		1517.6							
	OBS	00125	17.17	36.43	26.59		1517.8							
	OBS	00150	17.14	36.44	26.60		1518.2							
	OBS	00200	16.96	36.42	26.63		1515.4							
	OBS	00250	16.65	36.34	26.64		1518.2							
	OBS	00300	16.55	36.34	26.67		1518.7							
	OBS	00380	16.38	36.31	26.69		1515.5							
	OBS	00400	16.15	36.25	26.69		1519.1							
	OBS	00440	16.09	36.25	26.71		1519.5							
	OBS	00500	14.86	36.00	26.79		1516.4							
	OBS	00600	13.25	35.71	26.91		1512.4							
	OBS	00700	11.01	35.40	27.10		1506.0							
	OBS	00800	09.10	35.25	27.32		1500.6							
	OBS	00900	08.01	35.23	27.47		1498.1							
	OBS	01000	07.23	35.23	27.59		1496.7							
	OBS	01050	06.97	35.22	27.62		1496.5							
	OBS	01100	05.96	35.09	27.65		1493.2							
	OBS	01140	05.61	35.06	27.67		1492.4							
	OBS	01200	05.43	35.08	27.71		1492.7							
	OBS	01240	05.17	35.06	27.72		1492.3							
	OBS	01300	05.05	35.06	27.74		1492.8							
	OBS	01400	04.69	35.04	27.76		1493.0							
	OBS	01500	04.50	35.02	27.77		1493.9							
	OBS	01750	04.02	34.98	27.79		1496.0							
	OBS	02000	03.82	34.98	27.81		1499.4							
	OBS	02500	03.39	34.95	27.83		1506.1							
	OBS	03000	02.89	34.93	27.86		1512.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04389 AIR TEMP 21.2 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0086 MONTH 05 SHIP EN WET BULB 20.3 12 1 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 51 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 086 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	19.75	35.50	25.23		1522.0							
	OBS	00010	19.65	36.53	26.04		1523.1							
	OBS	00020	19.00	36.52	26.20		1521.5							
	OBS	00030	18.20	36.48	26.37		1519.3							
	OBS	00050	17.77	36.44	26.45		1518.4							
	OBS	00075	17.45	36.43	26.52		1517.8							
	OBS	00100	17.14	36.40	26.57		1517.3							
	OBS	00125	17.11	36.42	26.59		1517.6							
	OBS	00150	17.07	36.42	26.60		1517.9							
	OBS	00170	17.06	36.43	26.61		1518.2							
	OBS	00200	16.79	36.39	26.65		1517.9							
	OBS	00250	16.58	36.36	26.67		1518.0							
	OBS	00300	16.28	36.30	26.70		1517.9							
	OBS	00380	15.90	36.23	26.73		1517.9							
	OBS	00400	15.66	36.16	26.73		1517.4							
	OBS	00500	14.10	35.87	26.86		1513.8							
	OBS	00530	14.03	35.87	26.87		1514.0							
	OBS	00600	12.63	35.62	26.97		1510.2							
	OBS	00620	12.25	35.56	26.99		1509.2							
	OBS	00650	12.23	35.59	27.02		1509.7							
	OBS	00700	10.88	35.40	27.13		1505.6							
	OBS	00800	09.03	35.26	27.34		1500.3							
	OBS	00900	07.89	35.22	27.48		1497.6							
	OBS	00930	07.60	35.17	27.49		1496.9							
	OBS	00975	07.43	35.19	27.53		1497.0							
	OBS	01000	06.82	35.15	27.58		1495.0							
	OBS	01050	05.82	35.04	27.63		1491.7							
	OBS	01085	05.64	35.06	27.67		1491.6							
	OBS	01100	05.66	35.06	27.66		1492.0							
	OBS	01160	05.65	35.10	27.70		1493.0							
	OBS	01200	05.45	35.10	27.72		1492.8							
	OBS	01300	05.02	35.07	27.75		1492.7							
	OBS	01400	04.73	35.06	27.78		1493.2							
	OBS	01440	04.51	35.03	27.78		1492.9							
	OBS	01500	04.43	35.03	27.79		1493.6							

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REFID 31 8173 YEAR 1970 BOTDP 04389 AIR TEMP 19.7 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206
CONSEC 0087 MONTH 05 SHIP EN WET BULB 18.5 12 1 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 25 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 087 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	19.63	36.53	26.04		1522.9							
	OBS	00010	19.63	36.53	26.04		1523.1							
	OBS	00020	18.48	36.37	25.22		1519.8							
	OBS	00030	18.05	36.41	26.36		1518.8							
	OBS	00050	17.80	36.44	26.44		1518.5							
	OBS	00075	17.39	36.40	26.51		1517.6							
	OBS	00080	17.26	36.39	26.54		1517.3							
	OBS	00100	17.12	36.43	26.60		1517.3							
	OBS	00125	17.07	36.43	26.61		1517.5							
	OBS	00150	16.93	36.40	26.62		1517.5							
	OBS	00200	16.70	36.37	26.65		1517.6							
	OBS	00250	16.58	36.36	26.67		1518.0							
	OBS	00300	16.33	36.30	26.69		1518.0							
	OBS	00345	15.76	36.20	26.74		1516.9							
	OBS	00380	15.62	36.17	26.75		1517.0							
	OBS	00400	15.60	36.17	26.76		1517.3							
	OBS	00435	15.54	36.16	26.76		1517.6							
	OBS	00500	14.07	35.86	26.85		1513.7							
	OBS	00570	13.34	35.76	26.93		1512.3							
	OBS	00600	12.69	35.66	26.97		1510.5							
	OBS	00700	10.96	35.42	27.13		1505.9							
	OBS	00800	09.12	35.28	27.34		1500.7							
	OBS	00860	08.62	35.26	27.40		1499.8							
	OBS	00900	08.11	35.23	27.46		1498.5							
	OBS	00935	07.54	35.23	27.54		1496.9							
	OBS	01000	07.03	35.21	27.60		1495.9							
	OBS	01100	05.72	35.07	27.66		1492.2							
	OBS	01120	05.45	35.05	27.68		1491.4							
	OBS	01200	05.29	35.07	27.72		1492.1							
	OBS	01220	05.29	35.07	27.72		1492.5							
	OBS	01255	04.94	35.05	27.74		1491.6							
	OBS	01300	04.90	35.05	27.75		1492.2							
	OBS	01400	04.60	35.04	27.77		1492.6							
	OBS	01500	04.33	35.01	27.78		1493.1							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 04574	AIR TEMP 20.3	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0088	MONTH 05	SHIP EN	WET BULB 18.4	00 0 X	WIND-SPD 14	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 25	DATA USE 1	BAROMETR 1016.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 58 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E41 088	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.72	36.54	26.03		1523.2							
	OBS	00010	19.70	36.54	26.03		1523.3							
	OBS	00018	19.59	36.54	26.06		1523.1							
	OBS	00020	18.49	36.30	26.16		1519.8							
	OBS	00030	18.02	36.46	26.40		1518.8							
	OBS	00050	17.80	36.46	26.46		1518.5							
	OBS	00075	17.53	36.45	26.52		1518.1							
	OBS	00100	17.18	36.39	26.55		1517.4							
	OBS	00125	17.07	36.40	26.59		1517.5							
	OBS	00150	17.03	36.40	26.60		1517.8							
	OBS	00200	16.90	36.39	26.62		1518.2							
	OBS	00250	16.66	36.33	26.63		1518.2							
	OBS	00300	16.25	36.26	26.68		1517.7							
	OBS	00370	15.45	36.07	26.71		1516.2							
	OBS	00390	15.46	36.15	26.77		1516.6							
	OBS	00400	15.38	36.13	26.78		1516.5							
	OBS	00408	15.12	36.04	26.76		1515.7							
	OBS	00490	14.23	35.91	26.86		1514.1							
	OBS	00500	14.22	35.91	26.86		1514.2							
	OBS	00540	13.74	35.78	26.86		1513.2							
	OBS	00580	12.65	35.63	26.97		1510.0							
	OBS	00600	12.43	35.61	27.00		1509.6							
	OBS	00700	10.69	35.39	27.15		1504.9							
	OBS	00750	09.42	35.27	27.28		1500.9							
	OBS	00800	09.00	35.27	27.35		1500.2							
	OBS	00900	07.89	35.24	27.50		1497.6							
	OBS	01000	07.19	35.24	27.60		1496.6							
	OBS	01055	06.91	35.23	27.63		1496.4							
	OBS	01070	06.91	35.23	27.63		1496.7							
	OBS	01100	06.64	35.20	27.65		1496.1							
	OBS	01200	05.19	35.04	27.71		1491.7							
	OBS	01270	05.18	35.07	27.73		1492.9							
	OBS	01300	05.03	35.06	27.74		1492.7							
	OBS	01400	04.70	35.04	27.76		1493.0							
	OBS	01500	04.42	35.02	27.78		1493.5							

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REFID 31 8173	YEAR 1970	BOTDP 04934	AIR TEMP 20.5	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0089	MONTH 05	SHIP EN	WET BULB 18.6	35 1 2	WIND-SPD 14	TRACE DIR D	5 SQUARE 2
LAT 34 53 N	DAY 25	DATA USE 1	BAROMETR 1017.9	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 02 W	HOUR 17.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E41 089	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	19.45	36.37	25.97		1522.2							
	OBS	00010	18.90	36.37	26.11		1520.9							
	OBS	00020	17.93	36.42	26.39		1518.3							
	OBS	00030	17.84	36.42	26.42		1518.2							
	OBS	00050	17.56	36.42	26.48		1517.7							
	OBS	00075	17.40	36.41	26.52		1517.7							
	OBS	00100	17.22	36.41	26.56		1517.5							
	OBS	00125	17.07	36.43	26.61		1517.5							
	OBS	00150	17.05	36.42	26.61		1517.9							
	OBS	00200	16.93	36.41	26.63		1518.3							
	OBS	00250	16.85	36.39	26.63		1518.9							
	OBS	00300	16.66	36.35	26.65		1519.1							
	OBS	00400	15.89	36.18	26.70		1518.2							
	OBS	00500	14.58	35.96	26.82		1515.4							
	OBS	00540	13.48	35.70	26.85		1512.2							
	OBS	00600	12.80	35.67	26.97		1510.9							
	OBS	00700	10.61	35.35	27.14		1504.5							
	OBS	00800	09.09	35.24	27.31		1500.5							
	OBS	00840	08.50	35.23	27.40		1498.9							
	OBS	00900	08.08	35.24	27.47		1498.4							
	OBS	01000	07.24	35.23	27.59		1496.8							
	OBS	01100	06.37	35.18	27.67		1495.0							
	OBS	01140	06.11	35.19	27.71		1494.6							
	OBS	01200	05.89	35.18	27.73		1494.7							
	OBS	01240	05.89	35.18	27.73		1495.4							
	OBS	01300	05.54	35.16	27.76		1495.0							
	OBS	01400	05.10	35.12	27.78		1494.8							
	OBS	01440	04.77	35.07	27.78		1494.0							
	OBS	01500	04.82	35.08	27.78		1495.3							
	OBS	01530	04.58	35.05	27.78		1494.7							
	OBS	01620	04.42	35.04	27.79		1495.6							
	OBS	01650	04.44	35.07	27.82		1496.2							
	OBS	01690	04.21	35.03	27.81		1495.9							
	OBS	01750	04.07	35.01	27.81		1496.3							
	OBS	02000	03.93	35.00	27.81		1499.9							
	OBS	02040	03.77	34.98	27.82		1499.9							
	OBS	02500	03.34	34.98	27.86		1505.9							
	OBS	03000	02.88	34.94	27.87		1512.6							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 05121	AIR TEMP 19.3	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0090	MONTH 05	SHIP EN	WET BULB 18.3	02 3 3	WIND-SPD 23	TRACE DIR D	5 SQUARE 2
LAT 34 52 N	DAY 26	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E41 090	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	19.19	36.43	26.08		1521.6							
	OBS	00010	19.18	36.42	26.08		1521.7							
	OBS	00020	18.26	36.42	26.31		1519.3							
	OBS	00030	18.10	36.41	26.34		1519.0							
	OBS	00050	17.40	36.41	26.52		1517.3							
	OBS	00075	17.23	36.41	26.56		1517.2							
	OBS	00100	17.14	36.42	26.59		1517.3							
	OBS	00125	17.10	36.42	26.60		1517.6							
	OBS	00150	17.09	36.42	26.60		1518.0							
	OBS	00200	17.05	36.42	26.61		1518.7							
	OBS	00250	16.98	36.42	26.63		1519.3							
	OBS	00300	16.79	36.38	26.64		1519.5							
	OBS	00390	16.44	36.31	26.67		1519.9							
	OBS	00400	16.35	36.30	26.68		1519.7							
	OBS	00440	15.75	36.16	26.71		1518.4							
	OBS	00500	15.22	36.07	26.76		1517.6							
	OBS	00580	13.58	35.76	26.88		1513.3							
	OBS	00600	13.41	35.76	26.92		1513.0							
	OBS	00680	11.54	35.49	27.08		1507.7							
	OBS	00700	11.43	35.48	27.09		1507.6							
	OBS	00730	10.98	35.44	27.14		1506.5							
	OBS	00800	09.26	35.27	27.31		1501.2							
	OBS	00850	08.50	35.22	27.39		1499.1							
	OBS	00900	08.08	35.23	27.46		1498.3							
	OBS	01000	07.30	35.23	27.58		1497.0							
	OBS	01070	06.84	35.22	27.63		1496.4							
	OBS	01100	06.17	35.18	27.69		1494.2							
	OBS	01130	06.13	35.17	27.69		1494.5							
	OBS	01200	05.83	35.16	27.72		1494.4							
	OBS	01250	05.67	35.17	27.75		1494.7							
	OBS	01300	04.99	35.07	27.75		1492.6							
	OBS	01400	04.74	35.05	27.77		1493.2							
	OBS	01500	04.46	35.03	27.78		1493.7							

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REFID 31 8173	YEAR 1970	BOTDP 04938	AIR TEMP 17.6	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
CONSEC 0091	MONTH 05	SHIP EN	WET BULB 15.6	03 2 4	WIND-SPD 20	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 26	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 04 W	HOUR 06.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E41 091	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	18.86	36.37	26.12		1520.6							
	OBS	00010	18.77	36.35	26.13		1520.5							
	OBS	00020	17.96	36.35	26.33		1518.3							
	OBS	00030	17.36	36.39	26.51		1516.8							
	OBS	00050	17.20	36.42	26.57		1516.7							
	OBS	00075	17.15	36.42	26.58		1516.9							
	OBS	00100	17.13	36.42	26.59		1517.3							
	OBS	00125	17.12	36.42	26.59		1517.7							
	OBS	00150	17.08	36.42	26.60		1518.0							
	OBS	00200	17.07	36.42	26.60		1518.8							
	OBS	00250	17.04	36.42	26.61		1519.5							
	OBS	00300	16.79	36.37	26.63		1519.5							
	OBS	00390	16.42	36.30	26.67		1519.8							
	OBS	00400	16.30	36.28	26.68		1519.6							
	OBS	00500	14.57	35.97	26.83		1515.4							
	OBS	00515	14.60	35.97	26.82		1515.8							
	OBS	00600	13.54	35.79	26.91		1513.5							
	OBS	00700	11.25	35.46	27.11		1506.9							
	OBS	00800	09.19	35.26	27.31		1500.9							
	OBS	00900	07.97	35.22	27.47		1497.9							
	OBS	00940	07.54	35.21	27.53		1496.9							
	OBS	00970	07.52	35.24	27.55		1497.4							
	OBS	01000	07.24	35.23	27.59		1496.8							
	OBS	01100	06.72	35.23	27.66		1496.4							
	OBS	01145	06.45	35.23	27.70		1496.1							
	OBS	01200	06.27	35.23	27.72		1496.3							
	OBS	01242	05.74	35.14	27.72		1494.8							
	OBS	01270	05.74	35.15	27.73		1495.2							
	OBS	01300	05.27	35.08	27.73		1493.7							
	OBS	01400	04.80	35.05	27.76		1493.5							
	OBS	01500	04.52	35.04	27.78		1494.0							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 05029 AIR TEMP 17.6 DIP HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0092 MONTH 05 SHIP EN WET BULB 15.4 02 3 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 26 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 10 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 092 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.64	36.44	26.23		1520.0							
	OBS	00010	18.64	36.44	26.23		1520.2							
	OBS	00020	18.63	36.44	26.23		1520.3							
	OBS	00030	18.32	36.36	26.25		1519.5							
	OBS	00050	17.54	36.41	26.48		1517.7							
	OBS	00075	17.23	36.40	26.55		1517.2							
	OBS	00090	17.18	36.43	26.59		1517.3							
	OBS	00100	17.17	36.43	26.59		1517.4							
	OBS	00125	17.14	36.43	26.59		1517.7							
	OBS	00150	17.11	36.43	26.60		1518.1							
	OBS	00200	17.07	36.43	26.61		1518.8							
	OBS	00250	16.93	36.41	26.63		1519.1							
	OBS	00300	16.79	36.36	26.62		1519.5							
	OBS	00400	16.13	36.23	26.68		1519.0							
	OBS	00460	15.16	36.02	26.74		1516.7							
	OBS	00500	14.89	36.03	26.81		1516.5							
	OBS	00530	14.73	36.00	26.82		1516.5							
	OBS	00600	13.70	35.83	26.91		1514.1							
	OBS	00650	12.95	35.72	26.98		1512.3							
	OBS	00700	11.41	35.46	27.08		1507.5							
	OBS	00800	09.55	35.27	27.26		1502.2							
	OBS	00900	08.27	35.24	27.44		1499.1							
	OBS	00960	07.53	35.22	27.54		1497.2							
	OBS	01000	07.28	35.23	27.58		1496.9							
	OBS	01100	06.59	35.22	27.67		1495.9							
	OBS	01115	06.59	35.23	27.68		1496.1							
	OBS	01200	06.09	35.21	27.73		1495.6							
	OBS	01300	05.39	35.09	27.72		1494.2							
	OBS	01330	04.96	35.06	27.75		1493.0							
	OBS	01400	04.74	35.06	27.77		1493.2							
	OBS	01500	04.45	35.03	27.78		1493.7							

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REFID 31 8173 YEAR 1970 BOTDP 04938 AIR TEMP 17.4 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0093 MONTH 05 SHIP EN WET BULB 14.4 06 2 2 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
.AT 34 48 N DAY 26 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
.ONG 048 10 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 093 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	OBS	00000	18.96	36.44	26.15		1520.9							
	OBS	00010	18.76	36.40	26.17		1520.5							
	OBS	00020	17.88	36.42	26.41		1518.2							
	OBS	00030	17.66	36.43	26.47		1517.7							
	OBS	00050	17.45	36.43	26.52		1517.4							
	OBS	00075	17.18	36.40	26.56		1517.0							
	OBS	00100	17.13	36.43	26.60		1517.3							
	OBS	00125	17.10	36.43	26.60		1517.6							
	OBS	00150	17.08	36.43	26.61		1518.0							
	OBS	00200	16.96	36.41	26.62		1518.4							
	OBS	00250	16.76	36.36	26.63		1518.6							
	OBS	00300	16.57	36.34	26.66		1518.8							
	OBS	00325	16.54	36.34	26.67		1519.1							
	OBS	00400	15.65	36.16	26.74		1517.4							
	OBS	00500	14.21	35.85	26.82		1514.1							
	OBS	00600	12.15	35.54	27.00		1508.5							
	OBS	00700	10.93	35.32	27.06		1505.6							
	OBS	00800	09.16	35.22	27.29		1500.8							
	OBS	00900	07.81	35.21	27.49		1497.3							
	OBS	01000	07.17	35.22	27.59		1496.5							
	OBS	01040	06.83	35.21	27.63		1495.8							
	OBS	01100	06.58	35.20	27.65		1495.8							
	OBS	01200	05.35	35.05	27.69		1492.4							
	OBS	01230	05.30	35.07	27.72		1492.7							
	OBS	01300	04.99	35.06	27.75		1492.6							
	OBS	01350	04.77	35.03	27.75		1492.5							
	OBS	01400	04.71	35.03	27.75		1493.1							
	OBS	01500	04.36	35.00	27.77		1493.3							
	OBS	01520	04.32	35.00	27.77		1493.4							
	OBS	01600	04.32	35.01	27.78		1494.8							
	OBS	01750	04.03	35.00	27.80		1496.1							
	OBS	02000	03.81	34.98	27.81		1499.4							
	OBS	02500	03.41	35.00	27.87		1506.3							
	OBS	03000	02.90	34.95	27.88		1512.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04572 AIR TEMP 17.7 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0094 MONTH 05 SHIP EN WET BULB 15.2 04 4 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 26 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 04 W HOUR 23.9 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E41 094 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	18.43	36.38	26.24		1519.4							
	OBS	00010	18.44	36.38	26.24		1519.6							
	OBS	00020	18.44	36.38	26.24		1519.7							
	OBS	00030	18.00	36.37	26.34		1518.6							
	OBS	00050	17.12	36.33	26.52		1516.3							
	OBS	00075	16.78	36.29	26.57		1515.7							
	OBS	00100	16.56	36.31	26.64		1515.5							
	OBS	00125	16.50	36.31	26.66		1515.7							
	OBS	00150	16.49	36.34	26.68		1516.1							
	OBS	00200	16.38	36.31	26.68		1516.5							
	OBS	00250	16.01	36.24	26.72		1516.2							
	OBS	00300	15.62	36.16	26.74		1515.7							
	OBS	00345	14.98	36.01	26.77		1514.2							
	OBS	00400	14.49	35.95	26.83		1513.5							
	OBS	00475	13.63	35.79	26.89		1511.7							
	OBS	00500	13.54	35.80	26.92		1511.9							
	OBS	00540	13.09	35.73	26.96		1510.9							
	OBS	00560	12.47	35.61	26.99		1509.0							
	OBS	00600	12.31	35.60	27.01		1509.1							
	OBS	00670	11.45	35.49	27.09		1507.2							
	OBS	00700	10.10	35.33	27.21		1502.7							
	OBS	00800	08.92	35.24	27.34		1499.9							
	OBS	00900	07.74	35.22	27.51		1497.0							
	OBS	00960	07.37	35.24	27.58		1496.6							
	OBS	01000	06.61	35.12	27.59		1494.2							
	OBS	01100	05.56	35.08	27.69		1491.6							
	OBS	01150	05.46	35.07	27.70		1492.0							
	OBS	01180	05.16	35.07	27.73		1491.3							
	OBS	01200	05.16	35.07	27.73		1491.6							
	OBS	01260	04.89	35.04	27.74		1491.5							
	OBS	01300	04.88	35.05	27.75		1492.1							
	OBS	01400	04.67	35.04	27.77		1492.9							
	OBS	01500	04.39	35.02	27.78		1493.4							

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REFID 31 8173 YEAR 1970 BOTDP 04938 AIR TEMP 18.6 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0095 MONTH 05 SHIP EN WET BULB 16.6 07 3 3 WIND-SPD 22 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 54 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 095 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	18.51	36.39	26.23		1519.6							
	OBS	00010	18.51	36.39	26.23		1519.8							
	OBS	00020	18.51	36.39	26.23		1519.9							
	OBS	00030	18.49	36.38	26.22		1520.0							
	OBS	00050	16.87	36.26	26.53		1515.5							
	OBS	00075	16.57	36.29	26.62		1515.0							
	OBS	00100	16.48	36.33	26.68		1515.2							
	OBS	00125	16.32	36.28	26.67		1515.1							
	OBS	00150	16.12	36.25	26.70		1514.9							
	OBS	00200	15.76	36.18	26.73		1514.5							
	OBS	00250	15.44	36.13	26.76		1514.3							
	OBS	00300	15.07	36.04	26.78		1513.8							
	OBS	00400	13.85	35.85	26.89		1511.3							
	OBS	00430	13.60	35.81	26.91		1510.9							
	OBS	00500	12.56	35.66	27.01		1508.4							
	OBS	00540	11.62	35.48	27.05		1505.6							
	OBS	00600	11.20	35.44	27.10		1505.1							
	OBS	00700	09.84	35.35	27.27		1501.8							
	OBS	00720	09.63	35.30	27.27		1501.3							
	OBS	00780	07.79	35.08	27.39		1495.1							
	OBS	00800	07.51	35.06	27.41		1494.3							
	OBS	00815	07.25	35.04	27.44		1493.5							
	OBS	00840	07.35	35.14	27.50		1494.4							
	OBS	00850	07.11	35.09	27.49		1493.6							
	OBS	00880	07.20	35.20	27.57		1494.6							
	OBS	00900	06.92	35.16	27.58		1493.8							
	OBS	00978	06.43	35.16	27.64		1493.1							
	OBS	01000	06.42	35.18	27.66		1493.5							
	OBS	01020	06.35	35.23	27.71		1493.6							
	OBS	01050	06.05	35.17	27.70		1492.8							
	OBS	01100	05.93	35.17	27.72		1493.2							
	OBS	01200	05.56	35.18	27.77		1493.4							
	OBS	01235	05.53	35.17	27.77		1493.8							
	OBS	01280	05.12	35.11	27.77		1492.8							
	OBS	01300	05.03	35.11	27.78		1492.8							
	OBS	01400	04.71	35.08	27.79		1493.1							
	OBS	01500	04.45	35.05	27.80		1493.7							

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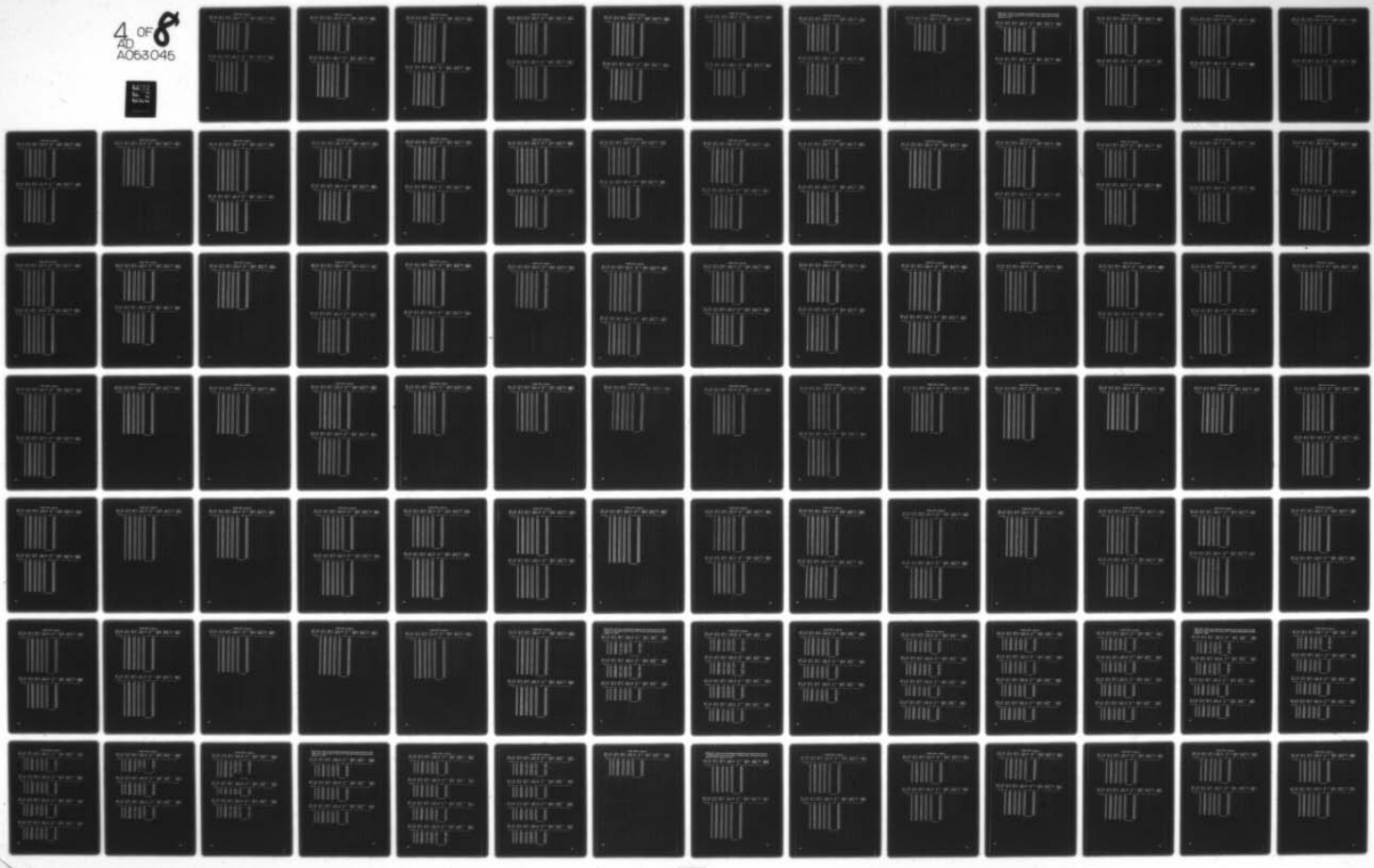


TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 05029 AIR TEMP 19.6 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0096 MONTH 05 SHIP EN WET BULB 16.6 07 3 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
LAT 34 51 N DAY 27 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 53 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 096 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.41	36.37	26.24		1519.3							
	OBS	00010	18.40	36.38	26.25		1519.5							
	OBS	00020	18.32	36.37	26.26		1519.4							
	OBS	00030	17.78	36.35	26.38		1518.0							
	OBS	00050	16.91	36.33	26.57		1515.7							
	OBS	00075	16.64	36.31	26.62		1515.3							
	OBS	00100	16.51	36.31	26.65		1515.3							
	OBS	00125	16.43	36.29	26.66		1515.4							
	OBS	00150	16.34	36.29	26.68		1515.6							
	OBS	00200	16.07	36.23	26.69		1515.5							
	OBS	00250	15.60	36.13	26.73		1514.8							
	OBS	00300	15.19	36.07	26.77		1514.2							
	OBS	00400	14.21	35.89	26.85		1512.5							
	OBS	00500	13.12	35.73	26.95		1510.4							
	OBS	00555	12.26	35.59	27.01		1508.2							
	OBS	00600	11.88	35.57	27.07		1507.6							
	OBS	00700	09.22	35.14	27.21		1499.2							
	OBS	00725	08.85	35.16	27.29		1498.3							
	OBS	00800	08.31	35.24	27.43		1497.6							
	OBS	00900	07.49	35.24	27.56		1496.1							
	OBS	00970	07.06	35.24	27.62		1495.6							
	OBS	01000	06.78	35.18	27.61		1494.9							
	OBS	01100	05.74	35.06	27.65		1492.3							
	OBS	01115	05.54	35.07	27.69		1491.7							
	OBS	01140	05.89	35.18	27.73		1493.7							
	OBS	01170	05.88	35.18	27.73		1494.2							
	OBS	01200	05.77	35.17	27.74		1494.2							
	OBS	01300	05.33	35.13	27.76		1494.1							
	OBS	01400	04.90	35.10	27.79		1493.9							
	OBS	01440	04.77	35.09	27.79		1494.1							
	OBS	01470	04.53	35.05	27.79		1493.5							
	OBS	01500	04.52	35.05	27.79		1494.0							

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REFID 31 8173 YEAR 1970 BOTDP 04938 AIR TEMP 18.8 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0097 MONTH 05 SHIP EN WET BULB 17.2 08 3 2 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 34 46 N DAY 27 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 00.7 2 SQUARE 46
LONG 047 57 W HOUR 17.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 097 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
17.7	OBS	00000	19.47	36.51	26.07		1522.5							
	OBS	00010	19.44	36.52	26.09		1522.5							
	OBS	00020	19.32	36.51	26.11		1522.4							
	OBS	00030	19.02	36.42	26.12		1521.6							
	OBS	00050	17.83	36.44	26.43		1518.5							
	OBS	00075	17.47	36.40	26.49		1517.9							
	OBS	00100	17.16	36.40	26.57		1517.4							
	OBS	00125	17.11	36.42	26.59		1517.6							
	OBS	00150	17.02	36.41	26.61		1517.8							
	OBS	00200	16.64	36.33	26.64		1517.4							
	OBS	00250	16.29	36.29	26.69		1517.1							
	OBS	00300	15.82	36.21	26.74		1516.4							
	OBS	00400	14.52	35.96	26.83		1513.6							
	OBS	00500	13.35	35.74	26.91		1511.2							
	OBS	00600	11.56	35.47	27.06		1506.4							
	OBS	00700	09.69	35.29	27.25		1501.1							
	OBS	00800	08.51	35.24	27.40		1498.3							
	OBS	00900	07.36	35.23	27.57		1495.6							
	OBS	01000	06.60	35.16	27.62		1494.2							
	OBS	01100	06.06	35.13	27.67		1493.7							
	OBS	01200	05.69	35.13	27.72		1493.8							
	OBS	01285	05.11	35.08	27.75		1492.8							
	OBS	01300	05.14	35.11	27.77		1493.3							
	OBS	01320	05.23	35.13	27.77		1494.0							
	OBS	01365	04.94	35.09	27.77		1493.5							
	OBS	01400	04.95	35.09	27.77		1494.1							
	OBS	01440	04.95	35.10	27.78		1494.8							
	OBS	01500	04.67	35.07	27.79		1494.6							
	OBS	01600	04.46	35.05	27.80		1495.4							
	OBS	01750	04.23	35.03	27.81		1497.0							
	OBS	02000	03.81	34.98	27.81		1499.4							
	OBS	02080	03.75	34.99	27.83		1500.5							
	OBS	02100	03.67	34.97	27.82		1500.5							
	OBS	02500	03.40	34.97	27.84		1506.2							
	OBS	03000	03.00	34.95	27.87		1513.1							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04389 AIR TEMP 19.2 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0098 MONTH 05 SHIP EN WET BULB 17.7 08 3 4 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
LAT 34 42 N DAY 28 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 53 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 098 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	19.08	36.47	26.14		1521.3							
	OBS	00010	19.06	36.47	26.15		1521.4							
	OBS	00020	19.05	36.47	26.15		1521.6							
	OBS	00030	18.77	36.38	26.15		1520.8							
	OBS	00050	17.79	36.39	26.41		1518.4							
	OBS	00075	17.40	36.41	26.52		1517.7							
	OBS	00100	17.20	36.41	26.56		1517.5							
	OBS	00125	17.10	36.40	26.58		1517.6							
	OBS	00150	17.01	36.41	26.61		1517.7							
	OBS	00200	16.83	36.39	26.64		1518.0							
	OBS	00250	16.60	36.32	26.64		1518.0							
	OBS	00300	16.15	36.25	26.69		1517.4							
	OBS	00370	15.41	36.07	26.72		1516.1							
	OBS	00400	14.94	36.00	26.77		1515.0							
	OBS	00450	14.66	35.99	26.83		1514.9							
	OBS	00500	13.97	35.87	26.88		1513.4							
	OBS	00550	13.03	35.71	26.95		1510.9							
	OBS	00600	12.21	35.56	27.00		1508.7							
	OBS	00640	11.40	35.44	27.06		1506.4							
	OBS	00700	10.59	35.33	27.13		1504.4							
	OBS	00800	08.90	35.24	27.34		1499.8							
	OBS	00860	08.13	35.24	27.46		1497.9							
	OBS	00900	07.72	35.24	27.52		1497.0							
	OBS	00980	07.15	35.20	27.58		1496.1							
	OBS	01000	06.88	35.19	27.61		1495.3							
	OBS	01100	06.18	35.17	27.68		1494.2							
	OBS	01150	06.05	35.17	27.70		1494.5							
	OBS	01200	05.77	35.13	27.71		1494.2							
	OBS	01230	05.52	35.12	27.73		1493.6							
	OBS	01270	05.49	35.15	27.76		1494.2							
	OBS	01300	05.38	35.15	27.77		1494.3							
	OBS	01400	05.01	35.11	27.78		1494.4							
	OBS	01500	04.68	35.08	27.80		1494.7							

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REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 18.7 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0099 MONTH 05 SHIP EN WET BULB 17.5 08 3 3 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 28 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 56 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 099 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	18.92	36.36	26.10		1520.7							
	OBS	00010	18.86	36.37	26.12		1520.7							
	OBS	00020	18.85	36.38	26.13		1520.9							
	OBS	00030	18.51	36.33	26.18		1520.0							
	OBS	00050	17.17	36.26	26.46		1516.4							
	OBS	00075	16.67	36.31	26.62		1515.4							
	OBS	00100	16.42	36.29	26.66		1515.0							
	OBS	00125	16.31	36.27	26.67		1515.1							
	OBS	00150	16.18	36.27	26.70		1515.1							
	OBS	00200	15.85	36.19	26.71		1514.8							
	OBS	00250	15.44	36.10	26.74		1514.2							
	OBS	00275	15.43	36.12	26.76		1514.6							
	OBS	00300	15.23	36.07	26.76		1514.3							
	OBS	00360	14.81	36.01	26.81		1513.9							
	OBS	00400	14.34	35.93	26.85		1513.0							
	OBS	00470	13.28	35.73	26.92		1510.4							
	OBS	00500	13.09	35.72	26.95		1510.3							
	OBS	00520	12.97	35.72	26.97		1510.2							
	OBS	00600	11.06	35.46	27.14		1504.6							
	OBS	00700	10.03	35.38	27.26		1502.5							
	OBS	00750	08.79	35.28	27.39		1498.6							
	OBS	00770	08.78	35.29	27.40		1498.9							
	OBS	00800	08.18	35.19	27.42		1497.0							
	OBS	00840	06.93	35.05	27.49		1492.7							
	OBS	00880	06.93	35.12	27.54		1493.4							
	OBS	00900	06.93	35.21	27.61		1493.9							
	OBS	00970	06.56	35.17	27.63		1493.5							
	OBS	00985	06.55	35.18	27.64		1493.8							
	OBS	01000	06.25	35.12	27.64		1492.7							
	OBS	01040	05.76	35.09	27.68		1491.4							
	OBS	01090	05.27	35.04	27.70		1490.2							
	OBS	01100	05.24	35.04	27.70		1490.2							
	OBS	01160	04.97	35.04	27.73		1490.1							
	OBS	01200	04.97	35.04	27.73		1490.8							
	OBS	01300	04.82	35.04	27.75		1491.9							
	OBS	01330	04.79	35.04	27.75		1492.2							
	OBS	01370	04.63	35.04	27.77		1492.2							
	OBS	01400	04.63	35.05	27.78		1492.8							
	OBS	01445	04.37	35.00	27.77		1492.4							
	OBS	01500	04.32	35.02	27.79		1493.1							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 19.1 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0100 MONTH 05 SHIP EN WET BULB 18.2 09 3 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 28 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 100 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.69	36.34	26.14		1520.1							
	OBS	00010	18.55	36.35	26.18		1519.8							
	OBS	00020	18.13	36.30	26.25		1518.8							
	OBS	00030	17.30	36.34	26.49		1516.5							
	OBS	00050	16.95	36.35	26.58		1515.8							
	OBS	00052	16.91	36.38	26.61		1515.8							
	OBS	00060	16.96	36.43	26.64		1516.1							
	OBS	00075	16.94	36.41	26.63		1516.3							
	OBS	00100	16.46	36.29	26.65		1515.1							
	OBS	00125	16.47	36.34	26.69		1515.6							
	OBS	00150	16.42	36.32	26.68		1515.9							
	OBS	00200	16.18	36.27	26.70		1515.9							
	OBS	00250	15.63	36.13	26.72		1514.8							
	OBS	00265	15.43	36.11	26.75		1514.4							
	OBS	00300	15.41	36.12	26.76		1515.0							
	OBS	00355	14.60	35.95	26.81		1513.1							
	OBS	00380	14.59	35.94	26.80		1513.5							
	OBS	00400	14.39	35.94	26.85		1513.2							
	OBS	00500	13.26	35.73	26.92		1510.9							
	OBS	00550	12.87	35.69	26.97		1510.3							
	OBS	00600	12.10	35.55	27.01		1508.4							
	OBS	00665	10.98	35.43	27.13		1505.4							
	OBS	00690	10.95	35.46	27.16		1505.7							
	OBS	00700	10.80	35.43	27.17		1505.3							
	OBS	00760	09.55	35.32	27.30		1501.6							
	OBS	00800	08.94	35.23	27.33		1499.9							
	OBS	00830	07.73	35.05	27.37		1495.6							
	OBS	00850	07.82	35.18	27.46		1496.5							
	OBS	00880	07.83	35.23	27.50		1497.1							
	OBS	00900	07.67	35.23	27.52		1496.8							
	OBS	00940	07.37	35.22	27.56		1496.3							
	OBS	00980	06.23	35.06	27.59		1492.2							
	OBS	01000	06.19	35.09	27.62		1492.5							
	OBS	01025	05.79	35.05	27.64		1491.2							
	OBS	01100	05.63	35.08	27.68		1491.9							
	OBS	01130	05.36	35.06	27.70		1491.2							
	OBS	01160	05.36	35.07	27.71		1491.8							
	OBS	01175	05.56	35.14	27.74		1492.9							
	OBS	01200	05.52	35.13	27.74		1493.2							
	OBS	01230	05.23	35.09	27.74		1492.4							
	OBS	01250	05.37	35.15	27.77		1493.4							
	OBS	01300	05.28	35.13	27.77		1493.9							
	OBS	01400	04.95	35.09	27.77		1494.1							
	OBS	01420	04.81	35.09	27.79		1493.9							
	OBS	01460	04.85	35.10	27.79		1494.7							
	OBS	01500	04.55	35.05	27.79		1494.1							

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REFID 31 8173 YEAR 1970 BOTDP 04800 AIR TEMP 18.9 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0101 MONTH 05 SHIP EN WET BULB 17.7 09 1 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 28 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 09 W HOUR 17.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 101 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.7	OBS	00000	18.97	36.33	26.06		1520.8							
	OBS	00010	18.69	36.36	26.16		1520.3							
	OBS	00020	18.34	36.34	26.23		1519.4							
	OBS	00030	17.41	36.35	26.47		1516.9							
	OBS	00050	17.10	36.41	26.59		1516.4							
	OBS	00075	17.08	36.42	26.60		1516.7							
	OBS	00100	16.99	36.40	26.61		1516.8							
	OBS	00125	16.80	36.37	26.63		1516.7							
	OBS	00150	16.62	36.33	26.64		1516.5							
	OBS	00200	16.42	36.31	26.67		1516.7							
	OBS	00250	16.18	36.27	26.70		1516.7							
	OBS	00300	15.61	36.17	26.75		1515.7							
	OBS	00400	14.59	35.97	26.83		1513.8							
	OBS	00475	14.07	35.83	26.83		1513.2							
	OBS	00500	13.47	35.77	26.91		1511.6							
	OBS	00530	12.94	35.70	26.96		1510.2							
	OBS	00550	12.93	35.70	26.97		1510.5							
	OBS	00600	12.18	35.58	27.02		1508.7							
	OBS	00700	10.78	35.42	27.16		1505.2							
	OBS	00760	08.91	35.15	27.27		1499.1							
	OBS	00790	09.05	35.21	27.29		1500.2							
	OBS	00800	08.85	35.21	27.33		1499.6							
	OBS	00840	08.22	35.21	27.43		1497.9							
	OBS	00890	07.92	35.23	27.49		1497.6							
	OBS	00900	08.01	35.24	27.48		1498.1							
	OBS	01000	06.87	35.16	27.58		1495.2							
	OBS	01100	05.89	35.07	27.64		1492.9							
	OBS	01200	05.45	35.09	27.71		1492.8							
	OBS	01300	05.01	35.07	27.75		1492.7							
	OBS	01400	04.73	35.04	27.76		1493.2							
	OBS	01500	04.47	35.02	27.77		1493.7							
	OBS	01580	04.27	35.00	27.78		1494.2							
	OBS	01750	04.19	35.00	27.79		1496.8							
	OBS	01800	04.16	35.00	27.79		1497.5							
	OBS	01810	04.01	35.00	27.81		1497.0							
	OBS	02000	03.87	34.99	27.81		1499.7							
	OBS	02160	03.78	34.99	27.82		1502.0							
	OBS	02500	03.42	34.99	27.86		1506.3							
	OBS	03000	02.95	34.96	27.88		1512.9							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 03840 AIR TEMP 19.1 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0102 MONTH 05 SHIP EN WET BULB 18.2 08 2 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 29 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 12 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 102 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.48	36.39	26.23		1519.5							
	OBS	00010	18.19	36.39	26.31		1518.9							
	OBS	00020	17.94	36.39	26.37		1518.3							
	OBS	00030	17.78	36.39	26.41		1518.0							
	OBS	00050	17.27	36.43	26.56		1516.9							
	OBS	00075	17.16	36.43	26.59		1517.0							
	OBS	00100	17.13	36.44	26.60		1517.3							
	OBS	00125	17.13	36.44	26.60		1517.7							
	OBS	00150	17.11	36.45	26.62		1518.1							
	OBS	00200	16.82	36.35	26.61		1517.9							
	OBS	00250	16.47	36.28	26.64		1517.6							
	OBS	00265	16.16	36.23	26.67		1516.8							
	OBS	00300	16.10	36.25	26.70		1517.3							
	OBS	00400	15.20	36.07	26.77		1515.9							
	OBS	00500	14.02	35.87	26.87		1513.5							
	OBS	00540	13.64	35.81	26.91		1512.9							
	OBS	00600	12.38	35.56	26.97		1509.3							
	OBS	00630	11.91	35.54	27.04		1508.2							
	OBS	00650	11.88	35.54	27.05		1508.4							
	OBS	00680	11.22	35.41	27.07		1506.4							
	OBS	00700	10.96	35.42	27.13		1505.9							
	OBS	00725	10.89	35.42	27.14		1506.0							
	OBS	00800	09.58	35.29	27.27		1502.4							
	OBS	00850	08.07	35.09	27.35		1497.3							
	OBS	00875	07.72	35.07	27.39		1496.3							
	OBS	00900	08.03	35.24	27.48		1498.2							
	OBS	00940	07.74	35.21	27.50		1497.7							
	OBS	01000	06.17	35.02	27.57		1492.3							
	OBS	01030	05.92	35.02	27.60		1491.8							
	OBS	01100	05.86	35.09	27.66		1492.8							
	OBS	01170	05.45	35.09	27.71		1492.3							
	OBS	01200	05.39	35.09	27.72		1492.6							
	OBS	01230	05.33	35.09	27.73		1492.8							
	OBS	01300	04.99	35.06	27.75		1492.6							
	OBS	01370	04.64	35.04	27.77		1492.3							
	OBS	01400	04.57	35.03	27.77		1492.5							
	OBS	01500	04.41	35.02	27.78		1493.5							

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REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 18.5 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0103 MONTH 05 SHIP EN WET BULB 18.1 06 1 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 29 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 50 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 103 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	18.90	36.35	26.10		1520.7							
	OBS	00010	18.90	36.35	26.10		1520.8							
	OBS	00020	18.79	36.35	26.12		1520.7							
	OBS	00030	18.31	36.28	26.19		1519.4							
	OBS	00050	16.79	36.25	26.54		1515.3							
	OBS	00075	16.52	36.25	26.60		1514.8							
	OBS	00100	16.40	36.25	26.63		1514.9							
	OBS	00125	16.33	36.25	26.65		1515.1							
	OBS	00150	16.22	36.25	26.67		1515.2							
	OBS	00200	15.76	36.18	26.73		1514.5							
	OBS	00250	15.50	36.15	26.76		1514.5							
	OBS	00300	14.99	36.03	26.79		1513.5							
	OBS	00400	13.95	35.86	26.88		1511.6							
	OBS	00500	12.51	35.67	27.03		1508.3							
	OBS	00540	11.95	35.54	27.04		1506.8							
	OBS	00570	11.80	35.54	27.06		1506.8							
	OBS	00600	11.35	35.49	27.11		1505.7							
	OBS	00700	09.33	35.23	27.26		1499.7							
	OBS	00710	09.12	35.22	27.29		1499.1							
	OBS	00740	09.11	35.30	27.35		1499.7							
	OBS	00790	08.20	35.19	27.41		1496.9							
	OBS	00800	08.33	35.25	27.44		1497.7							
	OBS	00890	06.65	35.16	27.61		1492.6							
	OBS	00900	06.66	35.16	27.61		1492.8							
	OBS	00960	06.64	35.17	27.62		1493.7							
	OBS	00990	06.56	35.17	27.63		1493.9							
	OBS	01000	05.97	35.08	27.64		1491.6							
	OBS	01020	05.73	35.07	27.66		1490.9							
	OBS	01090	05.28	35.06	27.71		1490.3							
	OBS	01100	05.28	35.06	27.71		1490.4							
	OBS	01145	05.28	35.06	27.71		1491.2							
	OBS	01165	05.45	35.13	27.75		1492.3							
	OBS	01200	04.96	35.05	27.74		1490.8							
	OBS	01280	04.69	35.04	27.76		1491.0							
	OBS	01300	04.69	35.04	27.76		1491.3							
	OBS	01330	04.56	35.02	27.76		1491.3							
	OBS	01400	04.50	35.02	27.77		1492.2							
	OBS	01500	04.34	35.01	27.78		1493.2							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04480 AIR TEMP 21.3 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0104 MONTH 05 SHIP EN WET BULB 18.7 08 1 2 WIND-SPD 09 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 29 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 104 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	18.98	36.36	26.08		1520.9							
	OBS	00010	18.98	36.36	26.08		1521.1							
	OBS	00020	18.84	36.35	26.11		1520.8							
	OBS	00030	18.68	36.33	26.14		1520.5							
	OBS	00050	17.06	36.28	26.50		1516.1							
	OBS	00075	16.57	36.28	26.62		1515.0							
	OBS	00100	16.50	36.28	26.63		1515.2							
	OBS	00125	16.32	36.28	26.67		1515.1							
	OBS	00150	16.22	36.27	26.69		1515.2							
	OBS	00200	15.82	36.20	26.73		1514.7							
	OBS	00250	15.41	36.11	26.75		1514.1							
	OBS	00300	15.04	36.05	26.79		1513.7							
	OBS	00400	14.19	35.89	26.85		1512.5							
	OBS	00500	12.85	35.64	26.94		1509.4							
	OBS	00570	11.79	35.52	27.05		1506.8							
	OBS	00600	11.61	35.53	27.09		1506.6							
	OBS	00630	11.49	35.50	27.09		1506.7							
	OBS	00700	09.88	35.27	27.20		1501.8							
	OBS	00730	09.38	35.24	27.26		1500.4							
	OBS	00800	08.93	35.28	27.37		1500.0							
	OBS	00840	08.06	35.23	27.47		1497.3							
	OBS	00860	08.06	35.23	27.47		1497.6							
	OBS	00900	06.53	35.04	27.54		1492.1							
	OBS	00940	06.72	35.17	27.61		1493.7							
	OBS	00960	06.63	35.17	27.62		1493.6							
	OBS	01000	06.17	35.14	27.66		1492.4							
	OBS	01030	05.68	35.08	27.68		1490.9							
	OBS	01070	05.68	35.11	27.70		1491.6							
	OBS	01100	05.55	35.10	27.71		1491.6							
	OBS	01120	05.36	35.09	27.72		1491.1							
	OBS	01200	05.28	35.10	27.74		1492.1							
	OBS	01260	04.68	35.03	27.76		1490.6							
	OBS	01290	04.65	35.03	27.76		1491.0							
	OBS	01300	04.77	35.06	27.77		1491.7							
	OBS	01380	04.70	35.06	27.78		1492.7							
	OBS	01400	04.45	35.02	27.77		1492.0							
	OBS	01440	04.40	35.02	27.78		1492.4							
	OBS	01465	04.58	35.06	27.79		1493.7							
	OBS	01500	04.38	35.02	27.78		1493.4							

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REFID 31 8173 YEAR 1970 BOTDP 03658 AIR TEMP 26.2 DIP HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206
CONSEC 0105 MONTH 05 SHIP EN WET BULB 21.1 00 0 X WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 29 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 105 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.5	OBS	00000	19.52	36.37	25.95		1522.4							
	OBS	00010	19.16	36.38	26.05		1521.6							
	OBS	00020	18.80	36.35	26.12		1520.7							
	OBS	00030	17.99	36.35	26.33		1518.6							
	OBS	00050	17.27	36.35	26.50		1516.8							
	OBS	00075	16.83	36.32	26.58		1515.9							
	OBS	00100	16.64	36.29	26.61		1515.7							
	OBS	00125	16.63	36.29	26.61		1516.0							
	OBS	00150	16.53	36.29	26.63		1516.2							
	OBS	00200	16.25	36.25	26.67		1516.1							
	OBS	00250	15.81	36.19	26.72		1515.5							
	OBS	00300	15.54	36.15	26.75		1515.4							
	OBS	00400	14.66	36.01	26.84		1514.1							
	OBS	00500	13.40	35.74	26.90		1511.3							
	OBS	00600	12.31	35.62	27.03		1509.2							
	OBS	00700	10.52	35.38	27.18		1504.2							
	OBS	00800	09.45	35.34	27.33		1502.0							
	OBS	00900	06.91	35.14	27.56		1493.7							
	OBS	00940	07.13	35.21	27.59		1495.3							
	OBS	01000	06.45	35.09	27.59		1493.5							
	OBS	01020	06.11	35.07	27.61		1492.4							
	OBS	01040	06.24	35.16	27.67		1493.4							
	OBS	01100	05.52	35.04	27.67		1491.4							
	OBS	01160	05.28	35.04	27.69		1491.4							
	OBS	01180	05.66	35.15	27.74		1493.4							
	OBS	01200	05.30	35.09	27.73		1492.2							
	OBS	01230	05.40	35.14	27.76		1493.2							
	OBS	01300	04.98	35.06	27.75		1492.5							
	OBS	01350	04.70	35.02	27.76		1492.2							
	OBS	01400	04.61	35.04	27.77		1492.7							
	OBS	01500	04.39	35.02	27.78		1493.4							
	OBS	01600	04.19	35.00	27.79		1494.2							
	OBS	01750	04.06	35.00	27.80		1496.2							
	OBS	02000	03.73	35.00	27.84		1499.1							
	OBS	02500	03.30	34.97	27.85		1505.8							
	OBS	03000	02.89	34.93	27.86		1512.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 03840 AIR TEMP 19.9 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206
CONSEC 0166 MONTH 05 SHIP EN WET BULB 17.5 00 0 X WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 39 N DAY 30 DATA USE 1 BAROMETR 1024.0 SEA WIND-FCR DURATION 00.4 2 SQUARE 49
LONG 048 02 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 106 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	19.52	36.34	25.93		1522.4							
	OBS	00010	19.15	36.33	26.02		1521.5							
	OBS	00020	18.58	36.34	26.17		1520.1							
	OBS	00030	17.88	36.35	26.35		1518.3							
	OBS	00050	17.47	36.29	26.41		1517.3							
	OBS	00075	17.02	36.37	26.58		1516.5							
	OBS	00100	16.86	36.37	26.62		1516.4							
	OBS	00125	16.72	36.36	26.64		1516.4							
	OBS	00150	16.65	36.35	26.65		1516.6							
	OBS	00200	16.48	36.30	26.65		1516.8							
	OBS	00250	16.12	36.23	26.68		1516.5							
	OBS	00300	15.60	36.10	26.70		1515.5							
	OBS	00325	15.31	36.05	26.73		1515.0							
	OBS	00340	14.94	35.97	26.75		1514.0							
	OBS	00370	14.84	35.99	26.79		1514.2							
	OBS	00400	14.50	35.89	26.78		1513.5							
	OBS	00500	13.64	35.81	26.91		1512.2							
	OBS	00550	13.15	35.75	26.96		1511.3							
	OBS	00600	12.09	35.53	27.00		1508.3							
	OBS	00660	10.92	35.40	27.12		1505.0							
	OBS	00685	10.99	35.49	27.18		1505.8							
	OBS	00700	10.74	35.43	27.18		1505.1							
	OBS	00780	09.10	35.29	27.35		1500.3							
	OBS	00800	09.10	35.29	27.35		1500.6							
	OBS	00820	08.93	35.30	27.38		1500.3							
	OBS	00860	08.03	35.19	27.44		1497.4							
	OBS	00890	07.96	35.22	27.47		1497.7							
	OBS	00900	07.83	35.21	27.48		1497.4							
	OBS	00940	06.18	35.01	27.56		1491.3							
	OBS	00960	06.59	35.15	27.61		1493.5							
	OBS	00970	06.34	35.10	27.61		1492.6							
	OBS	01000	06.29	35.13	27.64		1492.9							
	OBS	01030	06.51	35.22	27.68		1494.4							
	OBS	01050	06.50	35.22	27.68		1494.7							
	OBS	01100	06.15	35.17	27.69		1494.1							
	OBS	01200	05.51	35.13	27.74		1493.1							
	OBS	01300	04.90	35.04	27.74		1492.2							
	OBS	01340	04.87	35.04	27.74		1492.7							
	OBS	01370	04.59	35.03	27.77		1492.1							
	OBS	01400	04.51	35.03	27.78		1492.2							
	OBS	01425	04.40	35.01	27.77		1492.2							
	OBS	01500	04.32	35.01	27.78		1493.1							

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REFID 31 8173 YEAR 1970 BOTDP 04755 AIR TEMP 18.6 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0107 MONTH 05 SHIP EN WET BULB 17.6 00 0 X WIND-SPD 07 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 30 DATA USE 1 BAROMETR 1020.7 SEA WIND-FCR DURATION 00.4 2 SQUARE 48
LONG 048 08 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 107 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	19.39	36.37	25.98		1522.1							
	OBS	00010	18.83	36.35	26.11		1520.6							
	OBS	00020	17.68	36.35	26.40		1517.5							
	OBS	00030	17.59	36.33	26.41		1517.4							
	OBS	00050	17.15	36.35	26.53		1516.4							
	OBS	00075	17.02	36.39	26.59		1516.5							
	OBS	00100	16.88	36.39	26.63		1516.5							
	OBS	00125	16.75	36.37	26.64		1516.5							
	OBS	00150	16.70	36.37	26.65		1516.8							
	OBS	00200	16.64	36.35	26.65		1517.4							
	OBS	00250	16.29	36.27	26.67		1517.0							
	OBS	00300	15.75	36.17	26.72		1516.1							
	OBS	00355	15.43	36.11	26.75		1515.9							
	OBS	00400	14.87	36.01	26.80		1514.8							
	OBS	00500	13.65	35.81	26.90		1512.2							
	OBS	00600	12.09	35.58	27.04		1508.4							
	OBS	00700	10.53	35.37	27.17		1504.3							
	OBS	00800	09.23	35.22	27.27		1501.0							
	OBS	00865	08.08	35.15	27.40		1497.7							
	OBS	00895	07.10	35.06	27.47		1494.3							
	OBS	00900	07.10	35.11	27.51		1494.4							
	OBS	00915	07.05	35.11	27.52		1494.5							
	OBS	00940	07.22	35.19	27.56		1495.7							
	OBS	00960	07.22	35.23	27.59		1496.0							
	OBS	01000	06.09	35.06	27.61		1492.0							
	OBS	01100	05.65	35.08	27.68		1491.9							
	OBS	01200	05.38	35.08	27.71		1492.5							
	OBS	01300	05.01	35.08	27.76		1492.7							
	OBS	01400	04.65	35.04	27.77		1492.8							
	OBS	01500	04.32	35.02	27.79		1493.1							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04791 AIR TEMP 19.7 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0108 MONTH 05 SHIP EN WET BULB 18.9 00 0 X WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 51 N DAY 30 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E41 108 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	19.33	36.37	26.00		1521.9							
	OBS	00010	18.76	36.33	26.12		1520.4							
	OBS	00020	17.89	36.34	26.34		1518.1							
	OBS	00030	17.66	36.31	26.38		1517.6							
	OBS	00050	17.11	36.36	26.55		1516.3							
	OBS	00075	17.02	36.38	26.59		1516.5							
	OBS	00100	16.90	36.38	26.61		1516.6							
	OBS	00125	16.82	36.38	26.63		1516.7							
	OBS	00150	16.76	36.36	26.63		1516.9							
	OBS	00200	16.71	36.35	26.64		1517.6							
	OBS	00250	16.59	36.35	26.66		1518.1							
	OBS	00300	16.15	36.24	26.68		1517.4							
	OBS	00400	14.98	36.03	26.79		1515.2							
	OBS	00500	14.05	35.85	26.85		1513.6							
	OBS	00600	12.76	35.65	26.96		1510.7							
	OBS	00640	12.22	35.57	27.01		1509.4							
	OBS	00690	10.83	35.39	27.13		1505.2							
	OBS	00700	10.79	35.41	27.15		1505.2							
	OBS	00800	09.64	35.33	27.29		1502.7							
	OBS	00850	07.78	35.06	27.37		1496.1							
	OBS	00870	08.09	35.23	27.46		1497.9							
	OBS	00900	07.88	35.20	27.47		1497.5							
	OBS	00930	07.63	35.15	27.47		1497.0							
	OBS	01000	06.27	35.05	27.58		1492.7							
	OBS	01040	05.71	35.05	27.65		1491.1							
	OBS	01100	05.66	35.07	27.67		1492.0							
	OBS	01120	05.49	35.07	27.69		1491.6							
	OBS	01200	05.31	35.07	27.72		1492.2							
	OBS	01300	04.95	35.06	27.75		1492.4							
	OBS	01400	04.66	35.03	27.76		1492.9							
	OBS	01410	04.59	35.03	27.77		1492.7							
	OBS	01500	04.52	35.03	27.78		1494.0							

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REFID 31 8173 YEAR 1970 BOTDP 04838 AIR TEMP 21.8 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0109 MONTH 05 SHIP EN WET BULB 19.4 00 0 X WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 30 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 00.8 2 SQUARE 48
LONG 048 14 W HOUR 17.5 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E41 109 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.5	OBS	00000	19.13	36.38	26.06		1521.4							
	OBS	00010	18.95	36.38	26.11		1521.0							
	OBS	00020	18.49	36.37	26.22		1519.9							
	OBS	00030	17.89	36.34	26.34		1518.3							
	OBS	00050	17.21	36.37	26.53		1516.6							
	OBS	00075	17.01	36.39	26.60		1516.5							
	OBS	00100	16.93	36.39	26.61		1516.7							
	OBS	00125	16.82	36.38	26.63		1516.7							
	OBS	00150	16.76	36.36	26.63		1516.9							
	OBS	00200	16.68	36.36	26.65		1517.5							
	OBS	00250	16.55	36.34	26.67		1517.9							
	OBS	00300	16.24	36.29	26.70		1517.7							
	OBS	00400	15.24	36.07	26.76		1516.0							
	OBS	00460	14.44	35.92	26.82		1514.3							
	OBS	00500	14.10	35.90	26.88		1513.8							
	OBS	00520	13.77	35.85	26.91		1513.0							
	OBS	00600	12.68	35.60	26.94		1510.4							
	OBS	00700	10.96	35.44	27.14		1505.9							
	OBS	00800	08.82	35.15	27.28		1499.4							
	OBS	00915	08.46	35.22	27.40		1498.4							
	OBS	00900	07.77	35.21	27.49		1497.1							
	OBS	00930	07.57	35.22	27.53		1496.9							
	OBS	00980	06.48	35.11	27.60		1493.3							
	OBS	01000	06.29	35.09	27.61		1492.9							
	OBS	01060	05.64	35.07	27.67		1491.2							
	OBS	01100	05.52	35.07	27.69		1491.4							
	OBS	01200	05.21	35.09	27.74		1491.8							
	OBS	01280	04.97	35.07	27.76		1492.2							
	OBS	01300	04.83	35.06	27.76		1491.9							
	OBS	01400	04.55	35.06	27.80		1492.4							
	OBS	01500	04.36	35.05	27.81		1493.3							
	OBS	01750	04.03	35.02	27.82		1496.1							
	OBS	02000	03.82	35.02	27.84		1499.5							
	OBS	02240	03.65	35.01	27.85		1502.8							
	OBS	02300	03.49	35.01	27.87		1503.2							
	OBS	02500	03.30	35.00	27.88		1505.8							
	OBS	03000	02.84	34.97	27.90		1512.4							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 05121	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1206
CONSEC 0110	MONTH 05	SHIP EN	WET BULB 17.2	34 4 3	WIND-SPD 21	TRACE DIR D	5 SQUARE 4
LAT 35 49 N	DAY 31	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 049 03 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TP	WEATHER X2	ORIG E41 110	1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	19.61	36.51	26.03		1522.8							
	OBS	00010	19.53	36.49	26.04		1522.8							
	OBS	00020	19.19	36.47	26.11		1522.0							
	OBS	00030	18.18	36.37	26.29		1519.1							
	OBS	00050	17.56	36.44	26.50		1517.8							
	OBS	00075	17.32	36.43	26.55		1517.5							
	OBS	00100	17.24	36.43	26.57		1517.6							
	OBS	00125	17.21	36.43	26.58		1517.9							
	OBS	00150	17.16	36.43	26.59		1518.2							
	OBS	00200	17.04	36.40	26.60		1518.6							
	OBS	00250	17.00	36.40	26.61		1519.3							
	OBS	00300	16.95	36.39	26.61		1520.0							
	OBS	00340	16.94	36.39	26.61		1520.6							
	OBS	00400	16.36	36.25	26.64		1519.7							
	OBS	00500	14.70	35.93	26.77		1515.8							
	OBS	00600	13.22	35.70	26.91		1512.3							
	OBS	00700	10.86	35.36	27.10		1505.4							
	OBS	00750	09.84	35.27	27.21		1502.5							
	OBS	00800	08.76	35.13	27.28		1499.1							
	OBS	00860	07.54	35.04	27.39		1495.4							
	OBS	00900	06.99	35.03	27.46		1493.9							
	OBS	00970	06.22	35.05	27.58		1492.0							
	OBS	01000	06.21	35.07	27.60		1492.5							
	OBS	01015	06.20	35.07	27.60		1492.7							
	OBS	01030	05.99	35.07	27.63		1492.1							
	OBS	01070	05.95	35.10	27.66		1492.7							
	OBS	01100	05.79	35.09	27.67		1492.5							
	OBS	01200	05.30	35.09	27.73		1492.2							
	OBS	01300	04.91	35.06	27.75		1492.3							
	OBS	01355	04.87	35.06	27.76		1493.0							
	OBS	01400	04.70	35.06	27.78		1493.1							
	OBS	01500	04.54	35.04	27.78		1494.1							

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TABLE XXI.–Observed and interpolated oceanographic data for stations taken by USCGC BOUTWELL at Ocean Station ECHO, 31 May 1970 - 29 June 1970, prepared from NODC listing No. 31 - 8177.

REFID 31 8177 YEAR 1970 BOTDP 04938 AIR TEMP 18.0 DIR HGT PER WIND-DIR 36 INST STD RECORDER TEN SQ 1206
CONSEC 0001 MONTH 05 SHIP OU WET BULB 16.0 20 2 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 47 N DAY 31 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 049 30 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 001 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	18.89	36.41	26.14		1520.7							
	OBS	00010	18.84	36.41	26.16		1520.7							
	OBS	00020	18.72	36.41	26.19		1520.6							
	OBS	00030	18.67	36.43	26.22		1520.6							
	OBS	00050	17.84	36.34	26.35		1518.5							
	OBS	00075	16.96	36.39	26.61		1516.3							
	OBS	00100	16.91	36.37	26.60		1516.6							
	OBS	00125	16.89	36.40	26.63		1517.0							
	OBS	00150	16.86	36.41	26.65		1517.3							
	OBS	00200	16.67	36.36	26.65		1517.5							
	OBS	00250	16.56	36.34	26.66		1517.9							
	OBS	00300	16.32	36.31	26.70		1518.0							
	OBS	00400	14.94	36.07	26.83		1515.1							
	OBS	00500	13.59	35.86	26.96		1512.1							
	OBS	00600	11.94	35.60	27.08		1507.9							
	OBS	00700	09.95	35.33	27.24		1502.1							
	OBS	00800	07.79	35.13	27.43		1495.5							
	OBS	00900	06.52	35.12	27.60		1492.2							
	OBS	01000	05.76	35.14	27.71		1490.8							
	OBS	01010	05.58	35.10	27.71		1490.2							
	OBS	01025	05.68	35.17	27.75		1490.9							
	OBS	01100	05.27	35.13	27.77		1490.5							
	OBS	01140	05.34	35.18	27.80		1491.5							
	OBS	01200	04.84	35.12	27.81		1490.4							
	OBS	01300	04.66	35.12	27.83		1491.3							
	OBS	01400	04.36	35.10	27.85		1491.7							
	OBS	01480	04.19	35.09	27.86		1492.3							
	OBS	01500	04.31	35.11	27.86		1493.2							

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REFID 31 8177 YEAR 1970 BOTDP 04755 AIR TEMP 16.9 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206
CONSEC 0002 MONTH 06 SHIP OU WET BULB 13.2 05 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 48 N DAY 01 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 09 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 002 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	18.89	36.38	26.12		1520.7							
	OBS	00010	18.82	36.36	26.12		1520.6							
	OBS	00020	17.92	36.36	26.35		1518.2							
	OBS	00030	17.52	36.38	26.46		1517.2							
	OBS	00050	17.17	36.43	26.59		1516.6							
	OBS	00075	17.13	36.43	26.60		1516.9							
	OBS	00100	17.09	36.44	26.61		1517.2							
	OBS	00125	17.10	36.44	26.61		1517.6							
	OBS	00150	17.08	36.44	26.62		1518.0							
	OBS	00200	16.90	36.39	26.62		1518.2							
	OBS	00212	16.79	36.36	26.62		1518.0							
	OBS	00250	16.72	36.36	26.64		1518.5							
	OBS	00270	16.32	36.31	26.70		1517.5							
	OBS	00300	15.97	36.22	26.71		1516.8							
	OBS	00335	15.95	36.25	26.74		1517.4							
	OBS	00400	15.15	36.09	26.80		1515.8							
	OBS	00500	14.35	35.98	26.89		1514.7							
	OBS	00600	12.59	35.66	27.00		1510.2							
	OBS	00660	11.09	35.46	27.14		1505.7							
	OBS	00670	11.22	35.53	27.17		1506.4							
	OBS	00700	10.88	35.48	27.19		1505.7							
	OBS	00800	09.26	35.37	27.38		1501.3							
	OBS	00900	07.51	35.26	27.57		1496.2							
	OBS	00922	06.54	35.10	27.58		1492.6							
	OBS	00935	06.85	35.20	27.62		1494.1							
	OBS	00960	06.62	35.18	27.63		1493.6							
	OBS	00970	06.82	35.24	27.65		1494.7							
	OBS	01000	06.46	35.19	27.66		1493.7							
	OBS	01060	05.57	35.04	27.66		1490.9							
	OBS	01080	05.77	35.14	27.71		1492.2							
	OBS	01100	05.58	35.12	27.72		1491.7							
	OBS	01200	05.24	35.12	27.76		1492.0							
	OBS	01300	04.83	35.11	27.80		1492.0							
	OBS	01400	04.55	35.09	27.82		1492.5							
	OBS	01500	04.24	35.06	27.83		1492.8							

TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04480	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 06	SHIP OU	WET BULB 16.7	35 2 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 01	DATA USE 1	BAROMETR 1025.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 00 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	19.13	36.37	26.05		1521.3							
	OBS	00010	19.04	36.36	26.07		1521.2							
	OBS	00020	18.96	36.35	26.08		1521.2							
	OBS	00030	18.51	36.28	26.14		1520.0							
	OBS	00050	16.91	36.29	26.54		1515.7							
	OBS	00075	16.64	36.32	26.63		1515.3							
	OBS	00100	16.36	36.27	26.66		1514.8							
	OBS	00125	16.06	36.20	26.67		1514.2							
	OBS	00150	15.85	36.18	26.71		1513.9							
	OBS	00200	15.41	36.12	26.76		1513.3							
	OBS	00250	14.94	36.03	26.80		1512.6							
	OBS	00300	14.51	35.97	26.84		1511.9							
	OBS	00355	14.34	35.96	26.87		1512.3							
	OBS	00400	13.78	35.86	26.92		1511.1							
	OBS	00500	12.93	35.70	26.97		1509.7							
	OBS	00600	11.39	35.52	27.13		1505.9							
	OBS	00700	09.52	35.30	27.29		1500.5							
	OBS	00800	07.49	35.14	27.48		1494.3							
	OBS	00835	07.19	35.16	27.54		1493.8							
	OBS	00875	07.43	35.29	27.61		1495.5							
	OBS	00900	07.03	35.21	27.60		1494.3							
	OBS	00985	05.54	35.03	27.66		1489.5							
	OBS	01000	05.86	35.14	27.70		1491.2							
	OBS	01010	05.94	35.17	27.72		1491.7							
	OBS	01040	05.87	35.17	27.72		1492.0							
	OBS	01100	05.01	35.08	27.76		1489.3							
	OBS	01130	04.76	35.04	27.76		1488.8							
	OBS	01160	04.73	35.07	27.78		1489.2							
	OBS	01165	04.94	35.13	27.81		1490.2							
	OBS	01200	04.95	35.13	27.81		1490.8							
	OBS	01235	04.90	35.12	27.80		1491.2							
	OBS	01245	04.73	35.08	27.79		1490.6							
	OBS	01255	04.91	35.13	27.81		1491.6							
	OBS	01300	04.39	35.05	27.81		1490.1							
	OBS	01400	04.29	35.05	27.82		1491.4							
	OBS	01500	04.20	35.04	27.82		1492.7							

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REFID 31 8177	YEAR 1970	BOTDP 03840	AIR TEMP 17.3	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 06	SHIP OU	WET BULB 13.9	01 3 2	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 35 06 N	DAY 01	DATA USE 1	BAROMETR 1025.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 02 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 004	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	19.28	36.38	26.02		1521.8							
	OBS	00010	19.08	36.36	26.06		1521.4							
	OBS	00020	18.21	36.34	26.26		1519.0							
	OBS	00030	17.93	36.38	26.36		1513.4							
	OBS	00050	17.21	36.35	26.52		1516.6							
	OBS	00075	16.69	36.28	26.59		1515.4							
	OBS	00100	16.59	36.31	26.63		1515.5							
	OBS	00125	16.48	36.31	26.66		1515.6							
	OBS	00150	16.39	36.31	26.68		1515.8							
	OBS	00200	16.21	36.26	26.68		1516.0							
	OBS	00250	15.63	36.17	26.75		1514.9							
	OBS	00300	15.01	36.05	26.80		1513.6							
	OBS	00315	14.98	36.08	26.83		1513.8							
	OBS	00350	14.38	35.92	26.83		1512.3							
	OBS	00370	14.26	35.92	26.86		1512.2							
	OBS	00380	14.41	36.00	26.89		1513.0							
	OBS	00400	14.31	35.98	26.90		1513.0							
	OBS	00500	13.25	35.80	26.98		1510.9							
	OBS	00600	11.61	35.47	27.05		1506.6							
	OBS	00700	10.36	35.45	27.26		1503.8							
	OBS	00795	08.19	35.19	27.41		1497.0							
	OBS	00800	08.33	35.22	27.42		1497.6							
	OBS	00810	08.35	35.30	27.48		1498.0							
	OBS	00815	08.06	35.25	27.48		1496.9							
	OBS	00835	08.17	35.30	27.50		1497.7							
	OBS	00840	08.01	35.26	27.50		1497.1							
	OBS	00865	07.94	35.29	27.53		1497.3							
	OBS	00875	07.54	35.25	27.56		1495.9							
	OBS	00900	07.49	35.25	27.57		1496.1							
	OBS	00915	07.43	35.25	27.57		1496.1							
	OBS	00920	07.50	35.32	27.62		1496.6							
	OBS	01000	05.83	35.08	27.66		1491.0							
	OBS	01045	06.00	35.19	27.72		1492.6							
	OBS	01090	05.60	35.14	27.73		1491.7							
	OBS	01100	05.66	35.16	27.74		1492.1							
	OBS	01130	05.38	35.12	27.75		1491.4							
	OBS	01140	05.48	35.18	27.78		1492.1							
	OBS	01190	05.26	35.14	27.78		1492.0							
	OBS	01200	05.35	35.20	27.81		1492.6							
	OBS	01300	05.02	35.16	27.82		1492.8							
	OBS	01345	04.51	35.09	27.82		1491.4							
	OBS	01370	04.52	35.08	27.81		1491.8							
	OBS	01390	04.76	35.12	27.82		1493.2							
	OBS	01400	04.71	35.12	27.83		1493.2							
	OBS	01410	04.55	35.09	27.82		1492.7							
	OBS	01480	04.43	35.08	27.82		1493.3							
	OBS	01500	04.30	35.06	27.82		1493.1							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04719 AIR TEMP 16.7 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 06 SHIP OU WET BULB 12.3 02 2 3 WIND-SPD 09 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1027.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 4R
LONG 048 04 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
00.0	OBS	00000	18.99	36.40	26.11		1521.0							
	OBS	00010	18.97	36.40	26.12		1521.1							
	OBS	00020	18.92	36.40	26.13		1521.1							
	OBS	00030	18.71	36.39	26.17		1520.7							
	OBS	00050	17.54	36.38	26.46		1517.6							
	OBS	00075	17.15	36.40	26.57		1516.9							
	OBS	00100	17.15	36.42	26.58		1517.3							
	OBS	00125	17.09	36.42	26.60		1517.6							
	OBS	00150	17.06	36.42	26.61		1517.9							
	OBS	00200	16.78	36.36	26.63		1517.8							
	OBS	00250	16.54	36.28	26.62		1517.8							
	OBS	00300	15.67	36.15	26.72		1515.8							
	OBS	00400	14.51	35.98	26.85		1513.6							
	OBS	00500	13.39	35.76	26.92		1511.3							
	OBS	00600	11.79	35.55	27.07		1507.3							
	OBS	00700	10.43	35.42	27.22		1504.0							
	OBS	00800	08.96	35.31	27.39		1500.1							
	OBS	00865	08.25	35.32	27.51		1498.5							
	OBS	00880	07.81	35.26	27.53		1497.0							
	OBS	00900	07.80	35.28	27.54		1497.3							
	OBS	00930	07.66	35.28	27.56		1497.3							
	OBS	00940	07.11	35.18	27.57		1495.2							
	OBS	00970	06.16	35.06	27.60		1491.8							
	OBS	01000	06.51	35.18	27.65		1493.9							
	OBS	01020	06.61	35.20	27.65		1494.6							
	OBS	01050	06.11	35.13	27.66		1493.0							
	OBS	01062	06.44	35.22	27.69		1494.7							
	OBS	01100	06.16	35.22	27.73		1494.2							
	OBS	01120	06.03	35.20	27.73		1494.0							
	OBS	01140	05.51	35.12	27.73		1492.1							
	OBS	01200	05.20	35.10	27.75		1491.8							
	OBS	01220	05.38	35.15	27.77		1493.0							
	OBS	01240	04.95	35.07	27.76		1491.4							
	OBS	01270	04.79	35.06	27.77		1491.3							
	OBS	01300	04.84	35.08	27.78		1492.0							
	OBS	01400	04.67	35.06	27.78		1492.9							
	OBS	01440	04.90	35.12	27.80		1494.6							
	OBS	01500	04.64	35.08	27.80		1494.5							

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REFID 31 8177 YEAR 1970 BOTDP 04755 AIR TEMP 16.9 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 06 SHIP OU WET BULB 13.2 06 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1027.2 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
06.1	OBS	00000	18.85	36.44	26.18		1520.6							
	OBS	00010	18.85	36.44	26.18		1520.8							
	OBS	00020	18.85	36.44	26.18		1521.0							
	OBS	00030	18.37	36.41	26.28		1519.7							
	OBS	00050	17.50	36.34	26.44		1517.5							
	OBS	00075	17.19	36.43	26.58		1517.1							
	OBS	00100	17.13	36.41	26.58		1517.3							
	OBS	00125	17.13	36.43	26.60		1517.7							
	OBS	00150	17.02	36.39	26.59		1517.7							
	OBS	00175	16.85	36.35	26.60		1517.6							
	OBS	00200	17.00	36.41	26.61		1518.5							
	OBS	00250	16.78	36.37	26.64		1518.6							
	OBS	00300	16.16	36.23	26.67		1517.4							
	OBS	00350	15.51	36.10	26.72		1516.1							
	OBS	00360	15.65	36.16	26.74		1516.8							
	OBS	00400	14.97	36.01	26.77		1515.1							
	OBS	00500	13.83	35.81	26.87		1512.8							
	OBS	00600	12.42	35.64	27.02		1509.6							
	OBS	00700	10.77	35.43	27.17		1505.2							
	OBS	00800	09.40	35.35	27.35		1501.8							
	OBS	00900	07.75	35.24	27.52		1497.1							
	OBS	00945	08.28	35.03	27.56		1491.8							
	OBS	00960	06.67	35.19	27.63		1493.8							
	OBS	00980	06.53	35.16	27.63		1493.6							
	OBS	01000	06.80	35.22	27.64		1495.0							
	OBS	01035	06.35	35.16	27.65		1493.8							
	OBS	01050	06.45	35.23	27.70		1494.5							
	OBS	01100	05.73	35.15	27.73		1492.4							
	OBS	01110	05.88	35.18	27.73		1493.2							
	OBS	01130	05.55	35.12	27.73		1492.1							
	OBS	01140	05.72	35.15	27.73		1493.0							
	OBS	01145	05.48	35.12	27.73		1492.1							
	OBS	01200	05.15	35.10	27.76		1491.6							
	OBS	01300	04.87	35.08	27.78		1492.1							
	OBS	01400	04.50	35.05	27.79		1492.2							
	OBS	01500	04.32	35.04	27.81		1493.1							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04755	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 06	SHIP OU	WET BULB 15.0	02 2 3	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 34 52 N	DAY 02	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 13 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 007	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.61	36.43	26.23		1520.0							
	OBS	00010	18.57	36.43	26.24		1520.0							
	OBS	00020	18.54	36.42	26.24		1520.1							
	OBS	00030	18.26	36.34	26.25		1519.3							
	OBS	00050	17.13	36.35	26.54		1516.4							
	OBS	00075	17.08	36.40	26.59		1516.7							
	OBS	00100	16.99	36.38	26.59		1516.8							
	OBS	00125	16.99	36.39	26.60		1517.2							
	OBS	00150	16.85	36.36	26.61		1517.2							
	OBS	00200	16.67	36.35	26.65		1517.5							
	OBS	00250	16.55	36.33	26.66		1517.9							
	OBS	00300	16.16	36.24	26.68		1517.4							
	OBS	00400	15.09	36.05	26.78		1515.5							
	OBS	00500	13.51	35.75	26.89		1511.7							
	OBS	00600	12.11	35.55	27.01		1508.4							
	OBS	00630	11.42	35.45	27.07		1506.4							
	OBS	00635	11.51	35.52	27.10		1506.9							
	OBS	00700	10.61	35.43	27.20		1504.6							
	OBS	00800	09.41	35.34	27.34		1501.8							
	OBS	00900	07.97	35.24	27.49		1497.9							
	OBS	00925	06.94	35.06	27.49		1494.1							
	OBS	00940	07.14	35.17	27.55		1495.3							
	OBS	00950	07.01	35.15	27.56		1494.9							
	OBS	00970	07.17	35.22	27.59		1496.0							
	OBS	01000	06.84	35.18	27.60		1495.2							
	OBS	01015	06.55	35.14	27.61		1494.2							
	OBS	01025	06.78	35.21	27.64		1495.4							
	OBS	01055	05.91	35.08	27.65		1492.2							
	OBS	01100	05.83	35.12	27.69		1492.7							
	OBS	01200	05.41	35.10	27.73		1492.7							
	OBS	01300	04.96	35.08	27.76		1492.5							
	OBS	01380	04.58	35.05	27.78		1492.2							
	OBS	01400	04.62	35.05	27.78		1492.7							
	OBS	01500	04.46	35.04	27.79		1493.7							

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REFID 31 8177	YEAR 1970	BOTDP 01693	AIR TEMP 19.5	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 06	SHIP OU	WET BULB 15.6	33 1 4	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 35 05 N	DAY 02	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 046 03 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 008	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	19.86	36.26	25.78		1523.2							
	OBS	00010	18.91	36.35	26.09		1520.9							
	OBS	00020	18.76	36.31	26.10		1520.6							
	OBS	00030	17.94	36.34	26.33		1518.4							
	OBS	00050	16.99	36.31	26.54		1515.9							
	OBS	00075	16.76	36.31	26.59		1515.6							
	OBS	00100	16.62	36.31	26.63		1515.6							
	OBS	00125	16.58	36.32	26.64		1515.9							
	OBS	00150	16.41	36.29	26.66		1515.8							
	OBS	00200	15.66	36.15	26.73		1514.1							
	OBS	00250	15.36	36.09	26.75		1514.0							
	OBS	00280	14.96	36.03	26.79		1513.1							
	OBS	00300	14.95	36.02	26.79		1513.4							
	OBS	00325	14.86	36.02	26.81		1513.5							
	OBS	00350	14.41	35.92	26.83		1512.4							
	OBS	00400	13.91	35.84	26.87		1511.5							
	OBS	00440	13.66	35.83	26.92		1511.3							
	OBS	00500	12.78	35.66	26.97		1509.2							
	OBS	00580	11.71	35.56	27.10		1506.7							
	OBS	00600	11.24	35.44	27.09		1505.2							
	OBS	00620	10.55	35.35	27.15		1503.0							
	OBS	00685	09.94	35.32	27.23		1501.8							
	OBS	00700	10.06	35.42	27.29		1502.6							
	OBS	00790	08.82	35.33	27.42		1499.5							
	OBS	00800	08.81	35.33	27.43		1499.6							
	OBS	00840	08.37	35.33	27.50		1498.6							
	OBS	00900	07.66	35.25	27.54		1496.8							
	OBS	00950	07.23	35.26	27.61		1496.0							
	OBS	00960	06.91	35.22	27.62		1494.8							
	OBS	01000	06.68	35.19	27.63		1494.5							
	OBS	01020	06.26	35.16	27.67		1493.2							
	OBS	01050	06.16	35.14	27.66		1493.2							
	OBS	01100	05.46	35.07	27.70		1491.2							
	OBS	01165	05.30	35.07	27.72		1491.6							
	OBS	01180	05.42	35.12	27.74		1492.4							
	OBS	01200	05.31	35.11	27.75		1492.3							
	OBS	01210	05.40	35.15	27.77		1492.9							
	OBS	01300	04.81	35.06	27.77		1491.8							
	OBS	01400	04.36	35.02	27.78		1491.6							
	OBS	01500	04.26	35.03	27.80		1492.9							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 01335 AIR TEMP 18.7 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0009 MONTH 06 SHIP OU WET BULB 15.8 36 1 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 03 DATA USE 1 BAROMETR 1029.8 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 12 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	19.41	36.39	25.99		1522.1							
	OBS	00010	19.00	36.36	26.08		1521.1							
	OBS	00020	18.90	36.34	26.09		1521.0							
	OBS	00030	18.15	36.33	26.27		1519.0							
	OBS	00050	17.02	36.32	26.54		1516.0							
	OBS	00075	16.77	36.33	26.61		1515.7							
	OBS	00100	16.55	36.32	26.65		1515.4							
	OBS	00125	16.44	36.29	26.65		1515.5							
	OBS	00150	16.26	36.26	26.67		1515.3							
	OBS	00200	15.75	36.15	26.71		1514.4							
	OBS	00250	15.30	36.09	26.76		1513.8							
	OBS	00300	14.93	36.02	26.79		1513.3							
	OBS	00322	14.68	35.95	26.79		1512.8							
	OBS	00330	14.74	36.00	26.82		1513.2							
	OBS	00400	13.64	35.81	26.91		1510.6							
	OBS	00500	12.82	35.71	27.00		1509.4							
	OBS	00510	12.79	35.72	27.01		1509.4							
	OBS	00600	11.36	35.49	27.11		1505.7							
	OBS	00635	10.55	35.35	27.15		1503.2							
	OBS	00677	10.15	35.41	27.26		1502.6							
	OBS	00700	10.18	35.43	27.28		1503.1							
	OBS	00800	08.95	35.34	27.41		1500.1							
	OBS	00900	07.55	35.28	27.58		1496.4							
	OBS	01000	06.39	35.18	27.66		1493.4							
	OBS	01037	05.68	35.08	27.68		1491.0							
	OBS	01050	05.81	35.16	27.72		1491.9							
	OBS	01100	05.30	35.12	27.76		1490.6							
	OBS	01130	05.04	35.09	27.76		1490.0							
	OBS	01175	05.13	35.12	27.78		1491.1							
	OBS	01200	04.82	35.07	27.77		1490.2							
	OBS	01212	04.90	35.10	27.79		1490.8							
	OBS	01230	04.90	35.10	27.79		1491.1							
	OBS	01300	04.51	35.06	27.80		1490.6							

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REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 18.0 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0010 MONTH 06 SHIP OU WET BULB 16.0 05 2 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 03 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 09 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	19.14	36.39	26.06		1521.4							
	OBS	00010	19.14	36.37	26.05		1521.5							
	OBS	00020	18.76	36.33	26.12		1520.6							
	OBS	00030	17.61	36.32	26.40		1517.4							
	OBS	00050	17.07	36.36	26.56		1516.2							
	OBS	00075	16.89	36.37	26.61		1516.1							
	OBS	00100	16.75	36.35	26.63		1516.1							
	OBS	00125	16.59	36.29	26.62		1515.9							
	OBS	00150	16.49	36.31	26.66		1516.1							
	OBS	00200	16.21	36.25	26.68		1516.0							
	OBS	00250	15.73	36.15	26.71		1515.2							
	OBS	00300	15.11	36.03	26.76		1513.9							
	OBS	00400	14.05	35.85	26.85		1512.0							
	OBS	00435	13.85	35.81	26.86		1511.8							
	OBS	00445	13.96	35.94	26.94		1512.5							
	OBS	00500	13.05	35.72	26.96		1510.1							
	OBS	00600	11.19	35.46	27.12		1505.1							
	OBS	00650	10.16	35.31	27.19		1502.0							
	OBS	00665	10.32	35.46	27.27		1503.1							
	OBS	00700	09.87	35.41	27.31		1501.9							
	OBS	00800	08.21	35.28	27.48		1497.3							
	OBS	00872	07.39	35.18	27.53		1495.2							
	OBS	00900	07.41	35.29	27.61		1495.9							
	OBS	00975	05.93	35.10	27.66		1491.0							
	OBS	01000	05.98	35.13	27.68		1491.7							
	OBS	01025	06.13	35.21	27.72		1492.8							
	OBS	01065	05.68	35.14	27.72		1491.6							
	OBS	01070	05.74	35.18	27.75		1491.9							
	OBS	01100	05.46	35.12	27.74		1491.2							
	OBS	01115	05.23	35.10	27.75		1490.5							
	OBS	01148	05.57	35.19	27.78		1492.6							
	OBS	01170	05.54	35.19	27.78		1492.8							
	OBS	01200	05.06	35.12	27.78		1491.3							
	OBS	01265	04.76	35.07	27.78		1491.1							
	OBS	01290	04.76	35.09	27.80		1491.5							
	OBS	01300	04.83	35.11	27.80		1492.0							
	OBS	01372	04.30	35.03	27.80		1490.9							
	OBS	01400	04.50	35.06	27.80		1492.2							
	OBS	01500	04.13	35.02	27.81		1492.3							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04370	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 06	SHIP OU	WET BULB 17.3	01 1 3	WIND-SPD 04	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 03	DATA USE 1	BAROMETR 1030.1	SEA	WIND-FOF	DURATION 00.5	2 SQUARE 48
LONG 048 04 W	HOUR 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 011	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	OBS	00000	19.16	36.39	26.06		1521.4							
	OBS	00010	18.98	36.36	26.08		1521.1							
	OBS	00020	18.93	36.37	26.10		1521.1							
	OBS	00030	18.60	36.31	26.14		1520.3							
	OBS	00050	17.38	36.28	26.42		1517.0							
	OBS	00075	16.72	36.30	26.60		1515.5							
	OBS	00100	16.60	36.32	26.64		1515.6							
	OBS	00125	16.54	36.31	26.65		1515.8							
	OBS	00150	16.45	36.30	26.66		1515.9							
	OBS	00200	16.18	36.24	26.68		1515.9							
	OBS	00250	15.82	36.18	26.71		1515.5							
	OBS	00300	15.45	36.10	26.74		1515.1							
	OBS	00400	14.10	35.88	26.86		1512.2							
	OBS	00500	12.40	35.63	27.02		1507.8							
	OBS	00535	12.17	35.62	27.06		1507.6							
	OBS	00540	11.85	35.55	27.06		1506.5							
	OBS	00570	11.43	35.50	27.10		1505.5							
	OBS	00600	10.45	35.33	27.15		1502.3							
	OBS	00645	09.99	35.31	27.21		1501.3							
	OBS	00655	10.13	35.42	27.28		1502.2							
	OBS	00700	09.75	35.37	27.30		1501.5							
	OBS	00730	09.45	35.36	27.35		1500.8							
	OBS	00750	08.80	35.28	27.39		1498.7							
	OBS	00770	08.12	35.21	27.44		1496.3							
	OBS	00800	07.86	35.20	27.47		1495.8							
	OBS	00870	07.18	35.19	27.56		1494.3							
	OBS	00890	07.40	35.28	27.60		1495.6							
	OBS	00900	07.34	35.27	27.60		1495.6							
	OBS	00940	06.60	35.17	27.63		1493.2							
	OBS	01000	05.83	35.07	27.65		1491.0							
	OBS	01025	05.92	35.13	27.69		1491.9							
	OBS	01070	05.85	35.16	27.72		1492.4							
	OBS	01100	05.49	35.10	27.72		1491.3							
	OBS	01120	05.48	35.13	27.74		1491.7							
	OBS	01130	05.25	35.09	27.74		1490.8							
	OBS	01200	04.85	35.06	27.76		1490.3							
	OBS	01210	04.94	35.08	27.77		1490.9							
	OBS	01220	04.79	35.04	27.75		1490.4							
	OBS	01250	05.09	35.13	27.79		1492.2							
	OBS	01300	04.82	35.10	27.80		1491.9							
	OBS	01315	04.84	35.11	27.80		1492.3							
	OBS	01360	04.45	35.04	27.79		1491.3							
	OBS	01400	04.35	35.04	27.80		1491.6							
	OBS	01500	04.38	35.06	27.81		1493.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 21.7 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 06 SHIP OU WET BULB 20.0 01 1 2 WIND-SPD 03 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 03 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 10 W HOUR 18.4 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E42 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.4	OBS	00000	19.30	36.36	26.00		1521.8							
	OBS	00010	18.58	36.36	26.18		1519.9							
	OBS	00020	18.38	36.38	26.25		1519.6							
	OBS	00030	17.88	36.36	26.36		1518.3							
	OBS	00050	17.05	36.38	26.58		1516.2							
	OBS	00075	17.00	36.40	26.61		1516.5							
	OBS	00100	16.87	36.37	26.61		1516.5							
	OBS	00125	16.64	36.32	26.63		1516.1							
	OBS	00150	16.56	36.32	26.65		1516.3							
	OBS	00180	16.35	36.26	26.65		1516.1							
	OBS	00200	15.95	36.16	26.67		1515.1							
	OBS	00218	15.72	36.16	26.72		1514.6							
	OBS	00231	15.80	36.20	26.73		1515.1							
	OBS	00245	15.55	36.12	26.73		1514.5							
	OBS	00259	15.64	36.17	26.75		1515.1							
	OBS	00300	15.21	36.06	26.76		1514.3							
	OBS	00400	14.01	35.84	26.85		1511.8							
	OBS	00410	13.86	35.83	26.88		1511.5							
	OBS	00425	13.87	35.85	26.89		1511.8							
	OBS	00440	13.50	35.75	26.89		1510.7							
	OBS	00450	13.63	35.83	26.92		1511.4							
	OBS	00500	13.10	35.73	26.96		1510.3							
	OBS	00600	11.30	35.45	27.09		1505.5							
	OBS	00655	10.58	35.41	27.19		1503.8							
	OBS	00675	10.09	35.39	27.26		1502.3							
	OBS	00680	10.15	35.41	27.26		1502.6							
	OBS	00700	09.80	35.36	27.29		1501.6							
	OBS	00740	09.26	35.36	27.38		1500.3							
	OBS	00800	08.97	35.39	27.45		1500.3							
	OBS	00830	08.10	35.26	27.48		1497.3							
	OBS	00870	07.56	35.25	27.56		1495.9							
	OBS	00885	07.56	35.26	27.56		1496.1							
	OBS	00900	07.00	35.15	27.56		1494.1							
	OBS	00922	06.33	35.09	27.60		1491.7							
	OBS	00938	06.37	35.09	27.60		1492.1							
	OBS	00988	06.15	35.11	27.64		1492.1							
	OBS	01000	05.95	35.11	27.67		1491.5							
	OBS	01100	05.28	35.08	27.73		1490.4							
	OBS	01138	05.17	35.07	27.73		1490.6							
	OBS	01200	05.57	35.18	27.77		1493.4							
	OBS	01300	04.77	35.09	27.79		1491.7							
	OBS	01309	04.86	35.11	27.80		1492.3							
	OBS	01355	04.47	35.04	27.79		1491.3							
	OBS	01400	04.59	35.08	27.81		1492.6							
	OBS	01412	04.63	35.09	27.81		1493.0							
	OBS	01440	04.50	35.07	27.81		1492.9							
	OBS	01460	04.50	35.07	27.81		1493.3							
	OBS	01480	04.61	35.10	27.82		1494.1							
	OBS	01500	04.49	35.08	27.82		1493.9							

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REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 19.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 06 SHIP OU WET BULB 16.8 35 0 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 03 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 10 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	19.06	36.40	26.09		1521.2							
	OBS	00010	18.70	36.34	26.14		1520.3							
	OBS	00020	18.45	36.38	26.23		1519.8							
	OBS	00030	18.15	36.38	26.31		1519.1							
	OBS	00050	17.09	36.36	26.55		1516.3							
	OBS	00075	16.98	36.39	26.60		1516.4							
	OBS	00100	16.95	36.40	26.62		1516.7							
	OBS	00125	16.73	36.34	26.62		1516.4							
	OBS	00150	16.62	36.33	26.64		1516.5							
	OBS	00200	16.25	36.25	26.67		1516.1							
	OBS	00250	15.46	36.12	26.75		1514.3							
	OBS	00300	14.70	35.97	26.80		1512.5							
	OBS	00330	14.13	35.85	26.83		1511.1							
	OBS	00350	14.25	35.92	26.86		1511.9							
	OBS	00400	13.62	35.81	26.91		1510.5							
	OBS	00500	12.15	35.57	27.02		1506.9							
	OBS	00600	10.97	35.44	27.14		1504.3							
	OBS	00700	09.94	35.39	27.29		1502.2							
	OBS	00772	08.90	35.31	27.40		1499.4							
	OBS	00800	08.79	35.32	27.42		1499.5							
	OBS	00845	08.72	35.37	27.47		1500.0							
	OBS	00900	07.47	35.25	27.57		1496.0							
	OBS	01000	06.00	35.10	27.65		1491.7							
	OBS	01010	05.96	35.11	27.67		1491.7							
	OBS	01020	06.06	35.15	27.68		1492.4							
	OBS	01100	05.43	35.08	27.71		1491.1							
	OBS	01200	04.98	35.06	27.75		1490.9							
	OBS	01255	05.07	35.12	27.78		1492.2							
	OBS	01300	04.84	35.08	27.78		1492.0							
	OBS	01322	04.75	35.06	27.77		1492.0							
	OBS	01340	04.89	35.09	27.78		1492.9							
	OBS	01380	04.70	35.06	27.78		1492.7							
	OBS	01400	04.73	35.08	27.79		1493.2							
	OBS	01420	04.48	35.04	27.79		1492.5							
	OBS	01500	04.53	35.06	27.80		1494.0							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04618	AIR TEMP 19.0	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0014	MONTH 06	SHIP OU	WET BULB 17.8	35 0 3	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 04	DATA USE 1	BAROMETR 1027.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 11 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 014	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	18.88	36.39	26.13		1520.7							
	OBS	00010	18.87	36.39	26.13		1520.8							
	OBS	00020	18.75	36.38	26.16		1520.6							
	OBS	00030	18.46	36.38	26.23		1520.0							
	OBS	00050	17.31	36.35	26.49		1516.9							
	OBS	00075	17.03	36.40	26.60		1516.6							
	OBS	00100	16.89	36.37	26.61		1516.5							
	OBS	00125	16.67	36.31	26.62		1516.2							
	OBS	00150	16.51	36.29	26.64		1516.1							
	OBS	00170	16.13	36.22	26.67		1515.2							
	OBS	00200	16.03	36.22	26.70		1515.4							
	OBS	00250	15.64	36.15	26.73		1514.9							
	OBS	00300	15.23	36.06	26.75		1514.3							
	OBS	00400	14.30	35.93	26.86		1512.9							
	OBS	00500	12.92	35.68	26.95		1509.7							
	OBS	00600	11.25	35.43	27.08		1505.3							
	OBS	00700	09.85	35.37	27.29		1501.8							
	OBS	00750	08.92	35.31	27.39		1499.1							
	OBS	00800	08.56	35.32	27.46		1498.6							
	OBS	00805	08.64	35.37	27.48		1499.1							
	OBS	00835	07.80	35.25	27.52		1496.2							
	OBS	00900	07.28	35.18	27.54		1495.2							
	OBS	00930	06.63	35.16	27.62		1493.1							
	OBS	00940	06.25	35.09	27.61		1491.7							
	OBS	01000	05.95	35.14	27.69		1491.6							
	OBS	01010	06.00	35.14	27.68		1491.9							
	OBS	01100	05.44	35.10	27.72		1491.1							
	OBS	01138	05.19	35.08	27.74		1490.7							
	OBS	01175	05.55	35.18	27.77		1492.9							
	OBS	01200	05.37	35.15	27.77		1492.6							
	OBS	01220	04.87	35.09	27.78		1490.8							
	OBS	01300	04.51	35.03	27.78		1490.6							
	OBS	01325	04.63	35.06	27.79		1491.5							
	OBS	01400	04.53	35.07	27.81		1492.4							
	OBS	01500	04.26	35.03	27.80		1492.9							

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REFID 31 8177	YEAR 1970	BOTDP 04667	AIR TEMP 21.2	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 06	SHIP OU	WET BULB 16.8	36 0 3	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 34 53 N	DAY 04	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 015	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	19.64	36.39	25.93		1522.8							
	OBS	00010	19.50	36.36	25.95		1522.5							
	OBS	00020	19.01	36.33	26.05		1521.3							
	OBS	00030	18.66	36.31	26.13		1520.4							
	OBS	00050	17.29	36.24	26.41		1516.7							
	OBS	00075	16.71	36.30	26.60		1515.5							
	OBS	00100	16.58	36.32	26.64		1515.5							
	OBS	00125	16.52	36.31	26.65		1515.7							
	OBS	00150	16.32	36.26	26.66		1515.5							
	OBS	00200	15.98	36.21	26.70		1515.2							
	OBS	00250	15.49	36.14	26.76		1514.4							
	OBS	00300	14.86	35.99	26.78		1513.1							
	OBS	00363	13.95	35.84	26.86		1511.0							
	OBS	00372	14.07	35.92	26.90		1511.6							
	OBS	00400	13.64	35.81	26.91		1510.6							
	OBS	00500	12.26	35.60	27.02		1507.3							
	OBS	00542	11.92	35.59	27.08		1506.8							
	OBS	00600	10.59	35.32	27.12		1502.8							
	OBS	00700	09.61	35.37	27.33		1500.9							
	OBS	00800	08.18	35.23	27.45		1497.1							
	OBS	00820	07.88	35.22	27.48		1496.2							
	OBS	00839	08.00	35.27	27.51		1497.1							
	OBS	00880	07.37	35.23	27.57		1495.3							
	OBS	00900	07.39	35.26	27.59		1495.7							
	OBS	00920	07.37	35.27	27.60		1496.0							
	OBS	00980	05.96	35.07	27.63		1491.2							
	OBS	01000	06.20	35.16	27.67		1492.6							
	OBS	01080	05.55	35.09	27.70		1491.2							
	OBS	01090	05.68	35.16	27.74		1492.0							
	OBS	01100	05.62	35.15	27.74		1491.9							
	OBS	01155	05.01	35.07	27.75		1490.3							
	OBS	01200	04.96	35.07	27.76		1490.8							
	OBS	01300	04.41	35.01	27.77		1490.1							
	OBS	01400	04.35	35.03	27.79		1491.6							
	OBS	01500	04.37	35.04	27.80		1493.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04115 AIR TEMP 22.0 DIR HGT PER #IND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0016 MONTH 06 SHIP OU WET BULB 20.0 49 X X WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 04 DATA USE 1 BAROMETR 1026.4 SEA #WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 53 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR #EATHER X1 ORIG E42 016 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	20.13	36.37	25.79		1524.1							
	OBS	00010	19.36	36.24	25.89		1522.0							
	OBS	00020	18.97	36.37	26.09		1521.2							
	OBS	00030	18.88	36.33	26.09		1521.1							
	OBS	00050	17.99	36.29	26.28		1518.8							
	OBS	00075	16.91	36.26	26.52		1516.0							
	OBS	00100	16.16	36.18	26.63		1514.1							
	OBS	00125	15.63	36.13	26.72		1512.8							
	OBS	00150	15.26	36.07	26.76		1512.0							
	OBS	00200	15.03	36.05	26.79		1512.1							
	OBS	00225	14.78	36.00	26.81		1511.6							
	OBS	00250	14.78	36.01	26.82		1512.0							
	OBS	00300	14.26	35.94	26.88		1511.1							
	OBS	00400	14.14	35.94	26.90		1512.4							
	OBS	00410	13.50	35.80	26.93		1510.3							
	OBS	00500	12.19	35.59	27.03		1507.1							
	OBS	00600	10.52	35.36	27.16		1502.6							
	OBS	00700	08.83	35.23	27.35		1497.9							
	OBS	00740	08.57	35.27	27.42		1497.6							
	OBS	00800	07.50	35.16	27.49		1494.4							
	OBS	00860	06.93	35.15	27.57		1493.1							
	OBS	00900	06.89	35.19	27.60		1493.7							
	OBS	00925	06.95	35.24	27.64		1494.4							
	OBS	01000	06.17	35.15	27.67		1492.5							
	OBS	01028	05.76	35.12	27.70		1491.2							
	OBS	01090	05.69	35.13	27.72		1492.0							
	OBS	01100	05.61	35.11	27.71		1491.8							
	OBS	01120	05.26	35.06	27.71		1490.7							
	OBS	01138	05.54	35.14	27.74		1492.2							
	OBS	01155	05.33	35.10	27.74		1491.6							
	OBS	01200	05.16	35.09	27.75		1491.6							
	OBS	01218	04.99	35.07	27.75		1491.2							
	OBS	01232	05.24	35.12	27.76		1492.5							
	OBS	01288	04.85	35.07	27.77		1491.8							
	OBS	01300	04.93	35.10	27.78		1492.4							
	OBS	01330	04.76	35.08	27.79		1492.2							
	OBS	01342	04.87	35.10	27.79		1492.8							
	OBS	01400	04.48	35.05	27.80		1492.1							
	OBS	01500	04.26	35.03	27.80		1492.9							

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REFID 31 8177 YEAR 1970 BOTDP 03840 AIR TEMP 20.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 06 SHIP OU WET BULB 19.0 17 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 12 N DAY 04 DATA USE 1 BAROMETR 1025.5 SEA 2 WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR #EATHER X1 ORIG E42 017 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	19.73	36.36	25.89		1523.0							
	OBS	00010	19.45	36.27	25.89		1522.3							
	OBS	00020	19.08	36.32	25.93		1521.5							
	OBS	00030	18.71	36.27	25.98		1520.5							
	OBS	00050	16.66	36.25	25.57		1514.9							
	OBS	00060	16.52	36.24	26.60		1514.6							
	OBS	00075	16.59	36.29	26.62		1515.1							
	OBS	00100	16.55	36.31	26.64		1515.4							
	OBS	00125	16.39	36.28	26.66		1515.3							
	OBS	00150	16.26	36.26	26.67		1515.3							
	OBS	00200	15.54	36.13	26.74		1513.7							
	OBS	00250	14.96	36.01	26.78		1512.6							
	OBS	00290	14.73	35.97	26.80		1512.5							
	OBS	00300	14.57	35.95	26.82		1512.1							
	OBS	00400	13.31	35.74	26.92		1509.4							
	OBS	00500	12.01	35.55	27.03		1506.4							
	OBS	00600	10.51	35.37	27.17		1502.6							
	OBS	00640	09.91	35.28	27.21		1500.9							
	OBS	00660	09.07	35.17	27.26		1498.0							
	OBS	00700	08.74	35.24	27.37		1497.5							
	OBS	00750	07.79	35.13	27.43		1494.6							
	OBS	00800	07.44	35.16	27.50		1494.1							
	OBS	00835	06.89	35.13	27.56		1492.5							
	OBS	00900	06.79	35.21	27.63		1493.3							
	OBS	01000	05.97	35.14	27.69		1491.7							
	OBS	01070	05.28	35.08	27.73		1490.0							
	OBS	01100	05.23	35.09	27.74		1490.3							
	OBS	01200	05.05	35.09	27.76		1491.2							
	OBS	01260	04.69	35.04	27.76		1490.7							
	OBS	01277	04.74	35.06	27.77		1491.2							
	OBS	01285	04.61	35.03	27.77		1490.7							
	OBS	01300	04.65	35.06	27.78		1491.2							
	OBS	01400	04.63	35.07	27.79		1492.8							
	OBS	01450	04.41	35.04	27.80		1492.7							
	OBS	01465	04.58	35.06	27.79		1493.7							
	OBS	01500	04.26	35.01	27.79		1492.9							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 02880 AIR TEMP 20.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 06 SHIP OU WET BULB 20.C 17 1 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 05 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 57 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 018 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
05.9	OBS	00000	19.71	36.40	25.92		1523.0							
	OBS	00010	19.70	36.40	25.93		1523.1							
	OBS	00020	19.51	36.37	25.95		1522.7							
	OBS	00030	18.99	36.36	26.08		1521.4							
	OBS	00050	17.71	36.27	26.33		1518.0							
	OBS	00075	16.83	36.31	26.58		1515.9							
	OBS	00100	16.55	36.29	26.63		1515.4							
	OBS	00125	16.48	36.30	26.65		1515.6							
	OBS	00150	16.37	36.28	26.66		1515.7							
	OBS	00200	16.04	36.23	26.70		1515.4							
	OBS	00250	15.69	36.16	26.73		1515.1							
	OBS	00300	15.21	36.07	26.77		1514.3							
	OBS	00395	14.15	35.90	26.87		1512.3							
	OBS	00400	14.21	35.93	26.88		1512.6							
	OBS	00500	12.83	35.69	26.98		1509.4							
	OBS	00560	12.06	35.60	27.06		1507.6							
	OBS	00578	11.78	35.57	27.09		1506.9							
	OBS	00600	11.25	35.45	27.10		1505.3							
	OBS	00700	08.96	35.20	27.30		1498.3							
	OBS	00729	08.39	35.17	27.37		1496.6							
	OBS	00750	08.37	35.25	27.43		1497.0							
	OBS	00790	07.81	35.17	27.46		1495.4							
	OBS	00800	07.51	35.16	27.49		1494.4							
	OBS	00820	07.45	35.17	27.51		1494.5							
	OBS	00890	06.62	35.17	27.63		1492.4							
	OBS	00900	06.61	35.17	27.63		1492.6							
	OBS	00940	06.78	35.25	27.67		1494.0							
	OBS	00965	06.61	35.23	27.67		1493.7							
	OBS	00983	06.23	35.18	27.69		1492.5							
	OBS	01000	06.29	35.20	27.69		1493.0							
	OBS	01015	06.25	35.19	27.69		1493.1							
	OBS	01022	05.93	35.14	27.69		1491.9							
	OBS	01041	05.89	35.15	27.71		1492.0							
	OBS	01100	05.09	35.07	27.74		1489.7							
	OBS	01157	05.01	35.07	27.75		1490.3							
	OBS	01165	05.16	35.11	27.76		1491.1							
	OBS	01200	05.08	35.09	27.76		1491.3							
	OBS	01300	04.62	35.06	27.79		1491.1							
	OBS	01320	04.63	35.06	27.79		1491.4							
	OBS	01325	04.54	35.04	27.78		1491.1							
	OBS	01400	04.42	35.04	27.79		1491.9							
	OBS	01500	04.32	35.04	27.81		1493.2							

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REFID 31 8177 YEAR 1970 BOTDP 01930 AIR TEMP 20.0 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0019 MONTH 06 SHIP OU WET BULB 20.0 17 1 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 05 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 019 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	19.69	36.41	25.94		1522.9							
	OBS	00010	19.43	36.35	25.96		1522.3							
	OBS	00020	19.12	36.39	26.07		1521.7							
	OBS	00030	18.96	36.35	26.08		1521.3							
	OBS	00050	17.02	36.29	26.32		1516.0							
	OBS	00075	16.63	36.31	26.62		1515.3							
	OBS	00100	16.46	36.31	26.66		1515.1							
	OBS	00125	16.28	36.26	26.67		1515.0							
	OBS	00150	16.15	36.24	26.68		1514.9							
	OBS	00200	15.69	36.17	26.74		1514.3							
	OBS	00250	15.11	36.06	26.78		1513.1							
	OBS	00300	14.61	35.98	26.83		1512.3							
	OBS	00400	13.39	35.78	26.93		1509.7							
	OBS	00430	13.20	35.76	26.96		1509.5							
	OBS	00440	12.96	35.72	26.97		1508.9							
	OBS	00500	12.33	35.64	27.04		1507.6							
	OBS	00600	10.66	35.38	27.15		1503.1							
	OBS	00700	09.21	35.23	27.28		1499.3							
	OBS	00739	08.15	35.15	27.39		1495.8							
	OBS	00756	08.38	35.25	27.43		1497.1							
	OBS	00780	08.25	35.25	27.45		1497.0							
	OBS	00800	07.80	35.19	27.47		1495.6							
	OBS	00900	06.64	35.18	27.63		1492.7							
	OBS	00905	06.74	35.23	27.66		1493.2							
	OBS	00965	06.66	35.21	27.65		1493.9							
	OBS	00980	06.35	35.17	27.66		1492.9							
	OBS	01000	06.28	35.18	27.68		1492.9							
	OBS	01022	06.32	35.20	27.69		1493.5							
	OBS	01100	05.48	35.12	27.73		1491.3							
	OBS	01122	05.15	35.08	27.74		1490.3							
	OBS	01200	04.78	35.04	27.75		1490.0							
	OBS	01270	04.71	35.07	27.79		1490.9							
	OBS	01300	04.59	35.05	27.78		1490.9							
	OBS	01316	04.39	35.04	27.80		1490.4							
	OBS	01400	04.30	35.03	27.80		1491.4							
	OBS	01450	04.14	35.02	27.81		1491.5							
	OBS	01500	04.13	35.01	27.80		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04481 AIR TEMP 20.0 DIR HGT PER #IND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0020 MONTH 06 SHIP OU WET BULB 19.8 17 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 34 59.5N DAY 05 DATA USE 1 BAROMETR 1022.0 SEA 3 #IND-FOR DURATION 09.4 2 SQUARE 48
LONG 048 05.5W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E42 020 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	19.62	36.33	25.89		1522.7							
	OBS	00010	19.60	36.37	25.93		1522.8							
	OBS	00020	19.02	36.37	26.08		1521.4							
	OBS	00030	18.65	36.34	26.15		1520.4							
	OBS	00050	17.01	36.22	26.47		1515.9							
	OBS	00075	16.02	36.09	26.60		1513.1							
	OBS	00100	15.59	36.12	26.72		1512.3							
	OBS	00125	15.40	36.10	26.75		1512.0							
	OBS	00150	15.29	36.09	26.76		1512.1							
	OBS	00200	14.92	36.00	26.78		1511.6							
	OBS	00250	14.78	36.01	26.82		1512.0							
	OBS	00300	14.37	35.93	26.84		1511.4							
	OBS	00325	14.14	35.89	26.86		1511.1							
	OBS	00355	14.29	35.97	26.89		1512.1							
	OBS	00400	14.02	35.91	26.90		1511.9							
	OBS	00500	12.02	35.55	27.03		1506.4							
	OBS	00530	11.92	35.57	27.07		1506.6							
	OBS	00600	10.60	35.37	27.15		1502.9							
	OBS	00645	09.55	35.25	27.24		1499.7							
	OBS	00660	09.64	35.35	27.31		1500.4							
	OBS	00700	09.32	35.36	27.37		1499.9							
	OBS	00800	07.67	35.19	27.49		1495.1							
	OBS	00832	07.30	35.17	27.53		1494.1							
	OBS	00868	07.48	35.27	27.58		1495.6							
	OBS	00900	07.27	35.25	27.60		1495.3							
	OBS	01000	05.62	35.07	27.68		1490.1							
	OBS	01025	05.67	35.15	27.73		1490.9							
	OBS	01100	05.32	35.11	27.75		1490.7							
	OBS	01200	04.96	35.07	27.76		1490.8							
	OBS	01300	04.59	35.05	27.78		1490.9							
	OBS	01400	04.43	35.04	27.79		1491.9							
	OBS	01500	04.29	35.04	27.81		1493.0							

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REFID 31 8177 YEAR 1970 BOTDP 03658 AIR TEMP 19.8 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0021 MONTH 06 SHIP OU WET BULB 19.5 20 2 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 05 DATA USE 1 BAROMETR 1021.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 04 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 021 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	19.65	36.34	25.89		1522.7							
	OBS	00010	19.64	36.34	25.90		1522.9							
	OBS	00020	18.83	36.33	26.10		1520.8							
	OBS	00030	18.51	36.30	26.16		1520.0							
	OBS	00050	16.71	36.22	26.54		1515.0							
	OBS	00075	16.26	36.20	26.63		1514.0							
	OBS	00100	16.18	36.22	26.66		1514.2							
	OBS	00125	15.91	36.16	26.68		1513.7							
	OBS	00150	15.82	36.17	26.71		1513.8							
	OBS	00200	15.51	36.11	26.73		1513.6							
	OBS	00250	15.03	36.04	26.78		1512.9							
	OBS	00300	14.41	35.93	26.84		1511.6							
	OBS	00325	14.19	35.91	26.87		1511.2							
	OBS	00385	14.16	35.95	26.90		1512.2							
	OBS	00400	14.03	35.91	26.90		1512.0							
	OBS	00450	12.87	35.66	26.95		1508.6							
	OBS	00500	12.13	35.55	27.01		1506.8							
	OBS	00560	10.83	35.40	27.14		1503.1							
	OBS	00600	10.51	35.36	27.16		1502.5							
	OBS	00640	09.46	35.26	27.27		1499.3							
	OBS	00700	08.73	35.24	27.37		1497.5							
	OBS	00750	08.29	35.25	27.45		1496.7							
	OBS	00770	07.44	35.13	27.48		1493.6							
	OBS	00800	07.19	35.15	27.53		1493.2							
	OBS	00852	06.93	35.17	27.58		1493.0							
	OBS	00873	07.01	35.23	27.62		1493.8							
	OBS	00900	06.83	35.21	27.63		1493.5							
	OBS	00990	05.71	35.08	27.67		1490.4							
	OBS	01000	05.64	35.12	27.71		1490.3							
	OBS	01078	05.54	35.16	27.76		1491.2							
	OBS	01100	05.24	35.10	27.75		1490.3							
	OBS	01180	05.31	35.17	27.79		1492.0							
	OBS	01200	05.31	35.16	27.79		1492.4							
	OBS	01300	04.63	35.07	27.79		1491.1							
	OBS	01400	04.31	35.04	27.81		1491.4							
	OBS	01500	04.13	35.03	27.82		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04343 AIR TEMP 20.0 DIR HGT PER #IND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0022 MONTH 06 SHIP OU WET BULB 19.5 28 2 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 06 DATA USE 1 BAROMETR 1021.8 SEA #IND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X5 OPIG E42 022 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	19.50	36.32	25.92		1522.3							
	OBS	00010	19.44	36.29	25.91		1522.3							
	OBS	00020	19.01	36.30	26.03		1521.3							
	OBS	00030	18.01	36.28	26.27		1518.5							
	OBS	00050	16.80	36.27	26.55		1515.3							
	OBS	00075	16.47	36.26	26.62		1514.7							
	OBS	00100	16.39	36.27	26.65		1514.9							
	OBS	00125	16.27	36.24	26.66		1514.9							
	OBS	00150	16.16	36.23	26.67		1515.0							
	OBS	00180	16.01	36.20	26.69		1515.0							
	OBS	00200	15.57	36.12	26.72		1513.8							
	OBS	00250	14.88	36.00	26.79		1512.3							
	OBS	00270	14.58	35.96	26.82		1511.7							
	OBS	00300	14.42	35.93	26.83		1511.6							
	OBS	00400	13.39	35.76	26.92		1509.7							
	OBS	00466	12.68	35.67	26.99		1508.3							
	OBS	00500	12.03	35.54	27.02		1506.5							
	OBS	00550	11.51	35.47	27.07		1505.4							
	OBS	00600	10.57	35.37	27.16		1502.8							
	OBS	00688	08.96	35.22	27.32		1498.1							
	OBS	00700	08.91	35.22	27.32		1498.2							
	OBS	00740	08.26	35.22	27.43		1496.4							
	OBS	00764	08.11	35.22	27.45		1496.2							
	OBS	00780	07.54	35.15	27.48		1494.2							
	OBS	00800	07.36	35.14	27.50		1493.8							
	OBS	00855	06.93	35.17	27.58		1493.1							
	OBS	00874	07.04	35.23	27.61		1493.9							
	OBS	00900	06.43	35.15	27.64		1491.8							
	OBS	00940	06.21	35.14	27.66		1491.6							
	OBS	00955	05.94	35.11	27.67		1490.7							
	OBS	01000	.77	35.12	27.70		1490.8							
	OBS	01040	05.67	35.12	27.71		1491.1							
	OBS	01050	05.43	35.08	27.71		1490.2							
	OBS	01100	05.18	35.08	27.74		1490.0							
	OBS	01126	05.09	35.07	27.74		1490.1							
	OBS	01134	04.92	35.04	27.74		1489.5							
	OBS	01200	04.82	35.06	27.76		1490.2							
	OBS	01300	04.44	35.02	27.78		1490.3							
	OBS	01400	04.35	35.02	27.79		1491.6							
	OBS	01500	04.21	35.01	27.79		1492.7							

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REFID 31 8177 YEAR 1970 BOTDP 04480 AIR TEMP 19.5 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0023 MONTH 06 SHIP OU WET BULB 19.5 19 2 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 06 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 56 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 OPIG E42 023 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	19.56	36.33	25.91		1522.5							
	OBS	00010	19.52	36.33	25.92		1522.5							
	OBS	00020	19.43	36.32	25.94		1522.4							
	OBS	00030	19.03	36.33	26.05		1521.5							
	OBS	00050	17.31	36.32	26.47		1516.9							
	OBS	00075	16.74	36.31	26.60		1515.6							
	OBS	00100	16.50	36.28	26.63		1515.2							
	OBS	00125	16.36	36.28	26.67		1515.2							
	OBS	00150	16.27	36.26	26.67		1515.3							
	OBS	00200	15.90	36.21	26.72		1515.0							
	OBS	00300	14.46	35.93	26.82		1511.7							
	OBS	00400	13.27	35.75	26.94		1509.3							
	OBS	00450	12.35	35.61	27.01		1506.8							
	OBS	00468	12.31	35.61	27.02		1507.0							
	OBS	00500	11.60	35.50	27.07		1504.9							
	OBS	00543	10.51	35.35	27.15		1501.6							
	OBS	00600	09.51	35.27	27.26		1498.8							
	OBS	00635	08.93	35.24	27.34		1497.2							
	OBS	00660	08.93	35.25	27.34		1497.6							
	OBS	00686	08.78	35.23	27.35		1497.1							
	OBS	00700	08.61	35.20	27.40		1497.1							
	OBS	00718	08.55	35.27	27.42		1497.2							
	OBS	00760	07.96	35.19	27.45		1495.5							
	OBS	00770	07.52	35.16	27.49		1494.0							
	OBS	00788	07.46	35.14	27.48		1494.0							
	OBS	00800	07.19	35.13	27.51		1493.1							
	OBS	00823	06.95	35.17	27.58		1492.6							
	OBS	00868	07.09	35.25	27.62		1494.0							
	OBS	00900	06.46	35.16	27.64		1492.0							
	OBS	00935	05.87	35.10	27.67		1490.1							
	OBS	01000	05.66	35.12	27.71		1490.4							
	OBS	01100	05.14	35.09	27.75		1489.9							
	OBS	01142	05.24	35.13	27.77		1491.1							
	OBS	01150	05.06	35.10	27.77		1490.4							
	OBS	01200	04.76	35.06	27.77		1490.0							
	OBS	01240	04.53	35.04	27.78		1489.7							
	OBS	01300	04.41	35.03	27.79		1490.2							
	OBS	01400	04.19	35.01	27.80		1490.9							
	OBS	01500	04.06	35.00	27.80		1492.0							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04471 AIR TEMP 21.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 06 SHIP OU WET BULB 19.8 20 2 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 06 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 024 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	20.48	36.33	25.67		1525.0							
	OBS	00010	19.58	36.29	25.87		1522.7							
	OBS	00020	18.93	36.32	26.07		1521.1							
	OBS	00030	17.71	36.20	26.28		1517.6							
	OBS	00050	16.77	36.23	26.53		1515.2							
	OBS	00075	16.54	36.29	26.63		1515.0							
	OBS	00100	16.44	36.28	26.65		1515.1							
	OBS	00125	16.29	36.27	26.67		1515.0							
	OBS	00150	16.13	36.24	26.69		1514.9							
	OBS	00200	15.64	36.17	26.75		1514.1							
	OBS	00250	15.08	36.06	26.79		1513.0							
	OBS	00300	14.48	35.96	26.84		1511.8							
	OBS	00400	13.33	35.77	26.94		1509.5							
	OBS	00480	12.18	35.59	27.03		1506.7							
	OBS	00500	12.07	35.60	27.06		1506.7							
	OBS	00600	10.18	35.34	27.21		1501.3							
	OBS	00660	09.00	35.21	27.30		1497.8							
	OBS	00700	08.63	35.23	27.38		1497.1							
	OBS	00750	08.43	35.25	27.42		1497.2							
	OBS	00760	08.16	35.15 P	27.39Q*									
	OBS	00800	07.27	35.17	27.53		1493.5							
	OBS	00835	06.95	35.16	27.57		1492.8							
	OBS	00865	07.08	35.26	27.63		1494.0							
	OBS	00900	06.42	35.17	27.65		1491.8							
	OBS	00975	05.71	35.10	27.69		1490.1							
	OBS	00988	05.81	35.15	27.72		1490.8							
	OBS	01000	05.79	35.15	27.72		1490.9							
	OBS	01100	05.22	35.11	27.76		1490.2							
	OBS	01135	05.04	35.09	27.76		1490.1							
	OBS	01145	05.24	35.12	27.76		1491.1							
	OBS	01170	04.93	35.09	27.78		1490.2							
	OBS	01200	04.82	35.07	27.77		1490.2							
	OBS	01300	04.44	35.03	27.78		1490.3							
	OBS	01400	04.30	35.04	27.81		1491.4							
	OBS	01500	04.07	35.01	27.81		1492.1							

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REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 19.9 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 06 SHIP OU WET BULB 18.7 19 2 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 07 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 57 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 025 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	20.23	36.34	25.74		1524.3							
	OBS	00010	19.74	36.33	25.86		1523.1							
	OBS	00020	19.36	36.32	25.95		1522.3							
	OBS	00030	17.68	36.23	26.31		1517.5							
	OBS	00050	16.78	36.31	26.59		1515.3							
	OBS	00075	16.58	36.31	26.64		1515.1							
	OBS	00100	16.53	36.32	26.66		1515.4							
	OBS	00125	16.33	36.28	26.67		1515.1							
	OBS	00150	16.16	36.25	26.69		1515.0							
	OBS	00200	15.71	36.18	26.74		1514.3							
	OBS	00250	15.07	36.08	26.81		1513.0							
	OBS	00300	14.51	35.99	26.86		1512.0							
	OBS	00350	13.64	35.80	26.90		1509.7							
	OBS	00400	13.31	35.79	26.96		1509.4							
	OBS	00460	12.00	35.55	27.03		1505.7							
	OBS	00500	11.49	35.49	27.08		1504.5							
	OBS	00600	09.82	35.32	27.25		1500.0							
	OBS	00655	09.02	35.24	27.32		1497.9							
	OBS	00700	08.58	35.25	27.40		1497.0							
	OBS	00730	08.26	35.25	27.45		1496.2							
	OBS	00750	07.68	35.15	27.46		1494.2							
	OBS	00800	07.16	35.15	27.53		1493.0							
	OBS	00812	07.01	35.16	27.56		1492.7							
	OBS	00840	07.23	35.28	27.63		1494.2							
	OBS	00900	06.43	35.15	27.64		1491.8							
	OBS	00914	06.02	35.11	27.66		1490.4							
	OBS	00955	06.08	35.16	27.69		1491.4							
	OBS	01000	05.50	35.09	27.71		1489.7							
	OBS	01044	05.43	35.08	27.71		1490.1							
	OBS	01055	05.65	35.16	27.74		1491.3							
	OBS	01100	05.28	35.11	27.75		1490.5							
	OBS	01150	04.92	35.07	27.76		1489.8							
	OBS	01170	04.99	35.10	27.78		1490.5							
	OBS	01200	04.76	35.06	27.77		1490.0							
	OBS	01300	04.37	35.02	27.78		1490.0							
	OBS	01400	04.21	35.01	27.79		1491.0							
	OBS	01500	04.01	35.00	27.81		1491.8							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04755	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1206
CONSEC 0026	MONTH 06	SHIP OU	WET BULB 19.5	20 1 3	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 34 51 N	DAY 07	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 57 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 026	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	20.08	36.36	25.80		1523.9							
	OBS	00010	19.86	36.31	25.82		1523.5							
	OBS	00020	19.46	36.31	25.92		1522.5							
	OBS	00030	18.83	36.26	26.04		1520.9							
	OBS	00050	17.11	36.31	26.51		1516.3							
	OBS	00075	16.73	36.33	26.62		1515.6							
	OBS	00100	16.51	36.28	26.63		1515.3							
	OBS	00125	16.34	36.28	26.67		1515.2							
	OBS	00150	16.13	36.24	26.69		1514.9							
	OBS	00200	15.35	36.09	26.75		1513.1							
	OBS	00250	14.71	35.99	26.82		1511.8							
	OBS	00300	14.29	35.94	26.87		1511.2							
	OBS	00331	13.93	35.89	26.91		1510.5							
	OBS	00357	14.14	35.96	26.92		1511.7							
	OBS	00372	14.11	35.95	26.91		1511.8							
	OBS	00400	13.81	35.87	26.92		1511.2							
	OBS	00410	13.35	35.76	26.93		1509.7							
	OBS	00500	11.65	35.51	27.07		1505.1							
	OBS	00600	09.74	35.30	27.25		1499.7							
	OBS	00635	09.10	35.27	27.33		1497.9							
	OBS	00652	09.21	35.32	27.35		1498.6							
	OBS	00700	08.81	35.31	27.41		1497.9							
	OBS	00720	08.51	35.27	27.43		1497.1							
	OBS	00740	07.81	35.20	27.48		1494.6							
	OBS	00751	07.61	35.18	27.49		1494.0							
	OBS	00800	07.26	35.20	27.56		1493.5							
	OBS	00831	07.13	35.27	27.63		1493.6							
	OBS	00850	07.07	35.25	27.63		1493.7							
	OBS	00860	06.65	35.19	27.64		1492.1							
	OBS	00890	06.36	35.14	27.64		1491.4							
	OBS	00900	06.21	35.14	27.66		1490.9							
	OBS	00925	06.06	35.13	27.67		1490.8							
	OBS	00950	06.19	35.19	27.70		1491.8							
	OBS	01000	05.60	35.11	27.71		1490.1							
	OBS	01010	05.36	35.11	27.74		1489.3							
	OBS	01018	05.81	35.17	27.73		1491.3							
	OBS	01100	05.41	35.14	27.76		1491.1							
	OBS	01200	04.76	35.06	27.77		1490.0							
	OBS	01270	04.55	35.05	27.79		1490.3							
	OBS	01275	04.63	35.07	27.79		1490.7							
	OBS	01300	04.61	35.06	27.79		1491.0							
	OBS	01320	04.61	35.06	27.79		1491.4							
	OBS	01350	04.22	35.00	27.78		1490.2							
	OBS	01400	04.22	35.00	27.78		1491.0							
	OBS	01500	04.01	34.99	27.80		1491.8							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04444 AIR TEMP 20.0 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206
CONSEC 0027 MONTH 06 SHIP OU WET BULB 19.5 30 1 3 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2
LAT 34 57 N DAY 07 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 02 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 027 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	20.47	36.34	25.68		1525.0							
	OBS	00010	20.36	36.31	25.68		1524.8							
	OBS	00020	19.94	36.31	25.79		1523.8							
	OBS	00030	19.12	36.24	25.96		1521.7							
	OBS	00050	17.42	36.30	26.43		1517.2							
	OBS	00075	16.97	36.33	26.56		1516.3							
	OBS	00100	16.72	36.29	26.59		1515.9							
	OBS	00125	16.42	36.27	26.64		1515.4							
	OBS	00150	16.26	36.25	26.67		1515.3							
	OBS	00200	15.80	36.17	26.71		1514.6							
	OBS	00250	15.31	36.10	26.77		1513.8							
	OBS	00300	14.58	35.97	26.83		1512.2							
	OBS	00400	13.25	35.72	26.92		1509.2							
	OBS	00500	11.79	35.53	27.06		1505.6							
	OBS	00540	11.10	35.43	27.11		1503.7							
	OBS	00575	10.28	35.36	27.20		1501.3							
	OBS	00600	09.77	35.28	27.23		1499.8							
	OBS	00640	09.15	35.20	27.27		1498.0							
	OBS	00655	08.43	35.13	27.33		1495.5							
	OBS	00673	08.64	35.22	27.37		1496.7							
	OBS	00685	08.42	35.19	27.38		1496.0							
	OBS	00700	08.42	35.23	27.41		1496.3							
	OBS	00710	08.13	35.21	27.44		1495.4							
	OBS	00731	07.99	35.18	27.44		1495.1							
	OBS	00740	07.67	35.15	27.46		1494.0							
	OBS	00800	07.10	35.17	27.56		1492.8							
	OBS	00815	06.94	35.15	27.57		1492.4							
	OBS	00840	06.89	35.19	27.60		1492.7							
	OBS	00856	07.00	35.24	27.63		1493.5							
	OBS	00891	06.77	35.23	27.65		1493.1							
	OBS	00900	06.63	35.20	27.65		1492.7							
	OBS	00980	05.72	35.15	27.73		1490.3							
	OBS	01000	05.73	35.15	27.73		1490.7							
	OBS	01029	05.66	35.14	27.73		1490.9							
	OBS	01048	05.41	35.12	27.74		1490.2							
	OBS	01060	05.47	35.14	27.75		1490.6							
	OBS	01100	05.18	35.10	27.75		1490.1							
	OBS	01200	04.72	35.08	27.79		1489.8							
	OBS	01260	04.50	35 07	27.81		1489.9							
	OBS	01278	04.50	35.07	27.81		1490.2							
	OBS	01285	04.59	35.10	27.82		1490.7							
	OBS	01300	04.51	35.08	27.82		1490.6							
	OBS	01332	04.23	35.03	27.81		1489.9							
	OBS	01400	04.15	35.04	27.82		1490.8							
	OBS	01421	04.19	35.05	27.83		1491.3							
	OBS	01500	04.08	35.02	27.82		1492.1							

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REFID 31 8177 YEAR 1970 BOTDP 04847 AIR TEMP 20.9 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206
CONSEC 0028 MONTH 06 SHIP OU WET BULB 18.2 31 WIND-SPD 02 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 07 DATA USE 1 BAROMETR 1029.1 SEA 3 WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 40 W HOUR 18.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 028 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.6	OBS	00000	21.05	36.28	25.47		1526.4							
	OBS	00010	20.13	36.27	25.71		1524.1							
	OBS	00020	19.51	36.32	25.92		1522.7							
	OBS	00030	19.06	36.31	26.02		1521.6							
	OBS	00050	17.42	36.25	26.39		1517.1							
	OBS	00075	16.55	36.23	26.58		1514.9							
	OBS	00100	16.46	36.23	26.60		1515.1							
	OBS	00125	16.23	36.21	26.64		1514.7							
	OBS	00150	16.21	36.23	26.66		1515.1							
	OBS	00170	16.13	36.22	26.67		1515.2							
	OBS	00200	15.51	36.11	26.73		1513.6							
	OBS	00250	14.49	35.92	26.81		1511.0							
	OBS	00300	13.66	35.80	26.89		1509.0							
	OBS	00340	13.36	35.75	26.92		1508.6							
	OBS	00390	12.30	35.57	26.99		1505.6							
	OBS	00400	12.23	35.58	27.01		1505.5							
	OBS	00440	11.93	35.54	27.04		1505.1							
	OBS	00500	10.75	35.39	27.14		1501.8							
	OBS	00600	08.61	35.13	27.30		1495.3							
	OBS	00610	08.52	35.14	27.32		1495.1							
	OBS	00620	08.68	35.23	27.37		1496.0							
	OBS	00670	08.16	35.13	27.37		1494.7							
	OBS	00685	08.25	35.22	27.43		1495.4							
	OBS	00700	08.19	35.22	27.44		1495.4							
	OBS	00760	07.34	35.16	27.52		1493.1							
	OBS	00775	07.33	35.19	27.54		1493.3							
	OBS	00800	07.00	35.16	27.57		1492.4							
	OBS	00870	06.81	35.23	27.65		1492.9							
	OBS	00900	06.46	35.20	27.67		1492.0							
	OBS	00960	05.68	35.10	27.69		1489.8							
	OBS	01000	05.71	35.15	27.73		1490.6							
	OBS	01100	04.97	35.06	27.75		1489.2							
	OBS	01200	04.61	35.03	27.77		1489.3							
	OBS	01300	04.40	35.00	27.76		1490.1							
	OBS	01400	04.18	34.99	27.78		1490.8							
	OBS	01500	04.01	34.97	27.78		1491.8							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04847 AIR TEMP 19.8 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0029 MONTH 06 SHIP OU WET BULB 16.5 31 2 3 WIND-SPD 09 TRACE DIR D 5 SQUARE 2
LAT 34 47 N DAY 07 DATA USE 1 BAROMETR 1030.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 43 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 029 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	20.93	36.36	25.57		1526.2							
	OBS	00010	20.14	36.34	25.76		1524.2							
	OBS	00020	19.53	36.33	25.92		1522.7							
	OBS	00030	19.01	36.32	26.04		1521.4							
	OBS	00050	16.86	36.19	26.48		1515.4							
	OBS	00075	16.51	36.22	26.58		1514.8							
	OBS	00100	16.47	36.24	26.61		1515.1							
	OBS	00125	16.30	36.24	26.65		1515.0							
	OBS	00150	16.24	36.23	26.65		1515.2							
	OBS	00200	16.01	36.17	26.66		1515.2							
	OBS	00250	14.66	35.95	26.80		1511.6							
	OBS	00300	13.95	35.85	26.87		1510.0							
	OBS	00400	12.41	35.58	26.98		1506.2							
	OBS	00500	10.76	35.35	27.11		1501.8							
	OBS	00600	08.78	35.13	27.27		1495.9							
	OBS	00605	08.69	35.15	27.30		1495.7							
	OBS	00610	08.87	35.19	27.31		1496.5							
	OBS	00649	08.20	35.10	27.34		1494.5							
	OBS	00655	08.38	35.25	27.43		1495.5							
	OBS	00700	08.12	35.22	27.45		1495.2							
	OBS	00770	07.18	35.15	27.53		1492.6							
	OBS	00800	07.04	35.20	27.59		1492.6							
	OBS	00900	06.65	35.23	27.67		1492.8							
	OBS	00990	05.62	35.10	27.70		1490.0							
	OBS	01000	05.70	35.12	27.71		1490.5							
	OBS	01010	05.74	35.16	27.73		1490.9							
	OBS	01100	05.01	35.07	27.75		1489.3							
	OBS	01200	04.50	35.02	27.77		1488.8							
	OBS	01222	04.48	35.03	27.78		1489.1							
	OBS	01250	04.31	35.01	27.78		1488.9							
	OBS	01300	04.30	35.01	27.78		1489.7							
	OBS	01400	04.18	35.00	27.79		1490.8							
	OBS	01500	04.07	34.99	27.79		1492.0							

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REFID 31 8177 YEAR 1970 BOTDP 04114 AIR TEMP 18.4 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0030 MONTH 06 SHIP OU WET BULB 16.7 31 1 2 WIND-SPD 07 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 08 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 56 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 030 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	20.08	36.41	25.83		1524.0							
	OBS	00010	19.61	36.39	25.94		1522.9							
	OBS	00020	19.26	36.37	26.02		1522.0							
	OBS	00030	18.95	36.36	26.09		1521.3							
	OBS	00050	17.31	36.28	26.44		1516.8							
	OBS	00075	16.83	36.32	26.58		1515.9							
	OBS	00100	16.45	36.25	26.62		1515.0							
	OBS	00125	16.34	36.28	26.67		1515.2							
	OBS	00150	16.05	36.21	26.68		1514.6							
	OBS	00200	15.53	36.12	26.73		1513.7							
	OBS	00250	15.10	36.05	26.78		1513.1							
	OBS	00265	14.84	36.00	26.80		1512.5							
	OBS	00300	14.71	36.03	26.85		1512.7							
	OBS	00332	14.34	35.92	26.84		1511.9							
	OBS	00400	13.80	35.83	26.89		1511.1							
	OBS	00500	12.77	35.64	26.95		1509.1							
	OBS	00553	12.15	35.59	27.04		1507.8							
	OBS	00600	11.16	35.42	27.09		1504.9							
	OBS	00700	09.34	35.23	27.26		1499.8							
	OBS	00719	09.11	35.22	27.29		1499.2							
	OBS	00738	08.51	35.15	27.33		1497.2							
	OBS	00760	08.41	35.19	27.38		1497.2							
	OBS	00775	07.58	35.13	27.46		1494.2							
	OBS	00782	07.73	35.20	27.49		1495.0							
	OBS	00800	07.73	35.21	27.50		1495.3							
	OBS	00821	07.70	35.21	27.50		1495.6							
	OBS	00826	07.51	35.19	27.52		1494.9							
	OBS	00875	07.01	35.16	27.56		1493.7							
	OBS	00900	06.90	35.17	27.59		1493.7							
	OBS	00950	06.67	35.19	27.63		1493.7							
	OBS	01000	05.99	35.10	27.65		1491.7							
	OBS	01007	05.81	35.09	27.67		1491.1							
	OBS	01020	05.75	35.08	27.67		1491.0							
	OBS	01055	05.93	35.16	27.71		1492.4							
	OBS	01100	05.71	35.12	27.71		1492.2							
	OBS	01112	05.52	35.09	27.71		1491.6							
	OBS	01200	05.13	35.08	27.74		1491.5							
	OBS	01244	04.75	35.04	27.76		1490.6							
	OBS	01300	04.51	35.02	27.77		1490.6							
	OBS	01400	04.27	35.01	27.79		1491.2							
	OBS	01500	04.16	35.01	27.80		1492.4							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 02853	AIR TEMP 19.0	DIR HGT PER	WIND-DIR 06	INST STD RECORDER	TEN SQ 1206
CONSEC 0031	MONTH 06	SHIP OU	WET BULB 16.7	03 2 3	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 08	DATA USE 1	BAROMETR 1029.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 05 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 031	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00000	20.05	36.41	25.84		1523.9							
	OBS	00010	20.01	36.41	25.85		1524.0							
	OBS	00020	19.60	36.39	25.94		1523.0							
	OBS	00030	19.46	36.39	25.96		1522.8							
	OBS	00050	18.88	36.36	26.11		1521.4							
	OBS	00075	17.20	36.34	26.51		1517.0							
	OBS	00100	16.83	36.32	26.58		1516.3							
	OBS	00125	16.54	36.28	26.62		1515.8							
	OBS	00150	16.12	36.21	26.67		1514.8							
	OBS	00200	15.68	36.16	26.73		1514.2							
	OBS	00250	15.35	36.10	26.76		1513.9							
	OBS	00300	14.86	36.00	26.79		1513.1							
	OBS	00310	14.69	35.97	26.81		1512.7							
	OBS	00400	13.89	35.84	26.88		1511.4							
	OBS	00451	13.13	35.72	26.94		1509.6							
	OBS	00456	13.25	35.80	26.98		1510.2							
	OBS	00500	12.51	35.62	26.99		1508.2							
	OBS	00600	11.13	35.45	27.12		1504.9							
	OBS	00700	08.61	35.16	27.33		1497.0							
	OBS	00709	08.54	35.17	27.34		1496.9							
	OBS	00712	08.62	35.23	27.38		1497.3							
	OBS	00751	07.68	35.11	27.43		1494.2							
	OBS	00775	07.89	35.23	27.49		1495.6							
	OBS	00800	07.61	35.20	27.51		1494.9							
	OBS	00900	06.81	35.20	27.62		1493.4							
	OBS	00958	06.35	35.16	27.65		1492.5							
	OBS	00987	06.03	35.14	27.68		1491.7							
	OBS	01000	05.76	35.09	27.68		1490.7							
	OBS	01011	05.59	35.08	27.69		1490.2							
	OBS	01100	05.21	35.07	27.73		1490.2							
	OBS	01130	05.06	35.06	27.74		1490.0							
	OBS	01200	05.01	35.08	27.76		1491.0							
	OBS	01217	04.92	35.06	27.75		1490.9							
	OBS	01235	05.04	35.11	27.78		1491.8							
	OBS	01300	04.67	35.06	27.78		1491.3							
	OBS	01370	04.39	35.02	27.78		1491.2							
	OBS	01380	04.47	35.05	27.80		1491.8							
	OBS	01400	04.41	35.04	27.80		1491.8							
	OBS	01500	04.18	35.01	27.80		1492.5							

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REFID 31 8177	YEAR 1970	BOTDP 02286	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0032	MONTH 06	SHIP OU	WET BULB 16.4	36	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 08	DATA USE 1	BAROMETR 1028.8	SEA 3	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 032	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	20.38	36.42	25.76		1524.8							
	OBS	00010	19.86	36.38	25.87		1523.5							
	OBS	00020	19.03	36.37	26.08		1521.4							
	OBS	00030	17.88	36.36	26.36		1518.3							
	OBS	00050	17.16	36.35	26.53		1516.5							
	OBS	00075	16.87	36.37	26.61		1516.0							
	OBS	00100	16.66	36.33	26.63		1515.8							
	OBS	00125	16.60	36.33	26.65		1516.0							
	OBS	00150	16.41	36.29	26.66		1515.8							
	OBS	00200	15.98	36.20	26.69		1515.2							
	OBS	00250	15.49	36.14	26.76		1514.4							
	OBS	00300	15.03	36.05	26.79		1513.7							
	OBS	00400	14.08	35.91	26.89		1512.1							
	OBS	00420	14.04	35.90	26.89		1512.3							
	OBS	00500	12.66	35.65	26.98		1508.7							
	OBS	00600	10.93	35.38	27.10		1504.1							
	OBS	00700	08.90	35.19	27.30		1498.1							
	OBS	00720	08.31	35.11	27.33		1496.1							
	OBS	00740	08.48	35.25	27.42		1497.2							
	OBS	00770	08.47	35.27	27.43		1497.7							
	OBS	00800	07.51	35.09	27.44		1494.3							
	OBS	00810	07.36	35.13	27.49		1494.0							
	OBS	00820	07.61	35.21	27.52		1495.2							
	OBS	00870	07.00	35.15	27.56		1493.6							
	OBS	00900	06.88	35.20	27.61		1493.7							
	OBS	00930	06.83	35.21	27.63		1494.0							
	OBS	01000	06.14	35.15	27.67		1492.3							
	OBS	01042	05.59	35.09	27.70		1490.8							
	OBS	01070	05.74	35.15	27.73		1491.9							
	OBS	01100	05.51	35.11	27.72		1491.4							
	OBS	01200	05.08	35.09	27.76		1491.3							
	OBS	01360	04.54	35.04	27.78		1490.7							
	OBS	01400	04.27	35.02	27.79		1491.2							
	OBS	01500	04.15	35.02	27.81		1492.4							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04536	AIR TEMP 19.6	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0033	MONTH 06	SHIP OU	WET BULB 16.4	05 2 3	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 08	DATA USE 1	BAROMETR 1028.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 57 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 033	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	20.59	36.42	25.70		1525.4							
	OBS	00010	20.42	36.38	25.72		1525.0							
	OBS	00020	19.77	36.36	25.88		1523.4							
	OBS	00030	19.37	36.37	25.99		1522.5							
	OBS	00050	18.77	36.34	26.12		1521.1							
	OBS	00075	16.87	36.28	26.54		1515.9							
	OBS	00100	16.62	36.29	26.61		1515.6							
	OBS	00115	16.34	36.24	26.64		1514.9							
	OBS	00125	16.44	36.31	26.67		1515.5							
	OBS	00150	16.12	36.23	26.68		1514.8							
	OBS	00200	15.67	36.15	26.72		1514.2							
	OBS	00250	15.42	36.09	26.74		1514.1							
	OBS	00300	14.66	35.98	26.82		1512.4							
	OBS	00400	13.53	35.77	26.90		1510.1							
	OBS	00500	12.27	35.61	27.03		1507.4							
	OBS	00600	10.37	35.34	27.17		1502.0							
	OBS	00700	08.59	35.13	27.30		1496.8							
	OBS	00712	08.65	35.22	27.37		1497.4							
	OBS	00750	07.64	35.10	27.43		1494.0							
	OBS	00775	07.91	35.22	27.48		1495.6							
	OBS	00800	07.42	35.16	27.51		1494.1							
	OBS	00860	06.98	35.17	27.58		1493.4							
	OBS	00880	07.04	35.22	27.61		1494.0							
	OBS	00900	06.77	35.20	27.63		1493.2							
	OBS	01000	05.62	35.08	27.68		1490.2							
	OBS	01010	05.59	35.09	27.70		1490.2							
	OBS	01020	05.71	35.13	27.71		1490.9							
	OBS	01045	05.47	35.09	27.71		1490.3							
	OBS	01065	05.59	35.14	27.74		1491.2							
	OBS	01100	05.17	35.08	27.74		1490.0							
	OBS	01170	04.87	35.05	27.75		1489.9							
	OBS	01175	04.95	35.08	27.77		1490.4							
	OBS	01200	04.62	35.02	27.76		1489.3							
	OBS	01228	04.54	35.02	27.76		1489.5							
	OBS	01233	04.65	35.04	27.77		1490.0							
	OBS	01250	04.56	35.02	27.76		1489.9							
	OBS	01275	04.62	35.05	27.78		1490.6							
	OBS	01300	04.52	35.04	27.78		1490.6							
	OBS	01345	04.70	35.08	27.79		1492.2							
	OBS	01361	04.51	35.04	27.78		1491.6							
	OBS	01390	04.56	35.06	27.79		1492.3							
	OBS	01400	04.48	35.05	27.80		1492.1							
	OBS	01500	04.27	35.02	27.79		1492.9							

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REFID 31 8177	YEAR 1970	BOTDP 04480	AIR TEMP 17.0	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0034	MONTH 06	SHIP OU	WET BULB 17.3	05 1 2	WIND-SPD 02	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 09	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 00 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 034	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	20.31	36.41	25.77		1524.6							
	OBS	00010	19.66	36.34	25.89		1522.9							
	OBS	00020	19.41	36.34	25.96		1522.4							
	OBS	00030	18.76	36.24	26.05		1520.6							
	OBS	00050	17.22	36.32	26.49		1516.6							
	OBS	00075	16.95	36.36	26.59		1516.3							
	OBS	00100	16.65	36.30	26.61		1515.7							
	OBS	00125	16.45	36.28	26.64		1515.5							
	OBS	00150	16.24	36.24	26.66		1515.2							
	OBS	00200	15.83	36.16	26.70		1514.7							
	OBS	00250	15.53	36.12	26.73		1514.5							
	OBS	00300	15.06	36.04	26.78		1513.8							
	OBS	00340	14.48	35.94	26.83		1512.5							
	OBS	00400	13.99	35.88	26.89		1511.8							
	OBS	00470	12.66	35.61	26.95		1508.2							
	OBS	00480	12.87	35.68	26.96		1509.2							
	OBS	00500	12.41	35.60	26.99		1507.8							
	OBS	00600	10.56	35.36	27.15		1502.7							
	OBS	00690	09.16	35.23	27.29		1498.9							
	OBS	00700	08.69	35.20	27.34		1497.3							
	OBS	00740	08.35	35.20	27.40		1496.7							
	OBS	00750	07.81	35.11	27.41		1494.7							
	OBS	00765	07.90	35.21	27.47		1495.4							
	OBS	00800	07.69	35.21	27.51		1495.2							
	OBS	00820	07.51	35.19	27.52		1494.8							
	OBS	00830	07.18	35.14	27.52		1493.6							
	OBS	00900	06.79	35.20	27.63		1493.3							
	OBS	00950	06.32	35.16	27.66		1492.2							
	OBS	01000	05.62	35.08	27.68		1490.2							
	OBS	01024	05.54	35.08	27.69		1490.2							
	OBS	01080	05.64	35.13	27.72		1491.6							
	OBS	01100	05.49	35.10	27.72		1491.3							
	OBS	01170	05.04	35.07	27.75		1490.6							
	OBS	01200	05.19	35.12	27.77		1491.8							
	OBS	01230	05.06	35.11	27.78		1491.8							
	OBS	01240	04.76	35.06	27.77		1490.6							
	OBS	01300	04.65	35.05	27.78		1491.2							
	OBS	01400	04.44	35.03	27.78		1492.0							
	OBS	01460	04.27	35.02	27.79		1492.2							
	OBS	01500	04.26	35.02	27.80		1492.9							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 02377 AIR TEMP 19.9 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1206
CONSEC 0035 MONTH 06 SHIP OU WET BULB 15.9 00 0 X WIND-SPD 00 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1026.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 035 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	20.47	36.47	25.77		1525.1							
	OBS	00010	20.04	36.46	25.88		1524.1							
	OBS	00020	19.83	36.[illegible]	25.92		1523.7							
	OBS	00030	19.11	36.[illegible]	26.10		1521.8							
	OBS	00050	17.61	36.41	26.47		1517.9							
	OBS	00075	17.18	36.39	26.55		1517.0							
	OBS	00100	16.95	36.37	26.59		1516.7							
	OBS	00125	16.62	36.30	26.62		1516.0							
	OBS	00150	16.46	36.28	26.64		1515.9							
	OBS	00189	16.12	36.21	26.67		1515.5							
	OBS	00200	16.21	36.26	26.68		1516.0							
	OBS	00250	15.74	36.17	26.72		1515.2							
	OBS	00300	15.04	36.03	26.77		1513.7							
	OBS	00340	14.56	35.95	26.82		1512.7							
	OBS	00400	14.15	35.89	26.86		1512.3							
	OBS	00480	13.17	35.72	26.93		1510.2							
	OBS	00500	12.56	35.61	26.97		1508.4							
	OBS	00560	11.18	35.41	27.08		1504.3							
	OBS	00600	10.54	35.32	27.13		1502.6							
	OBS	00608	10.41	35.33	27.16		1502.3							
	OBS	00612	10.56	35.36	27.15		1502.9							
	OBS	00680	08.69	35.17	27.32		1496.9							
	OBS	00691	08.65	35.18	27.33		1497.0							
	OBS	00700	08.45	35.15	27.34		1496.3							
	OBS	00710	08.23	35.13	27.36		1495.6							
	OBS	00740	08.43	35.27	27.44		1497.1							
	OBS	00768	08.26	35.25	27.45		1496.9							
	OBS	00790	07.59	35.13	27.46		1494.5							
	OBS	00800	07.56	35.16	27.48		1494.6							
	OBS	00830	07.41	35.19	27.53		1494.6							
	OBS	00850	06.98	35.17	27.58		1493.2							
	OBS	00900	06.83	35.20	27.62		1493.5							
	OBS	00941	06.50	35.17	27.64		1492.8							
	OBS	01000	05.69	35.09	27.68		1490.5							
	OBS	01042	05.91	35.16	27.71		1492.1							
	OBS	01100	05.51	35.11	27.72		1491.4							
	OBS	01200	05.04	35.08	27.76		1491.1							
	OBS	01245	04.61	35.02	27.76		1490.0							
	OBS	01300	04.53	35.05	27.79		1490.7							
	OBS	01330	04.31	35.02	27.79		1490.2							
	OBS	01400	04.20	35.01	27.79		1490.9							
	OBS	01500	04.11	35.01	27.80		1492.2							

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REFID 31 8177 YEAR 1970 BOTDP 04481 AIR TEMP 21.2 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0036 MONTH 06 SHIP OU WET BULB 16.2 04 0 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 09 DATA USE 1 BAROMETR 1024.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 02 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 036 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	20.79	36.44	25.67		1525.9							
	OBS	00010	19.90	36.39	25.87		1523.7							
	OBS	00020	19.20	36.34	26.01		1521.8							
	OBS	00030	18.82	36.34	26.11		1520.9							
	OBS	00050	17.05	36.30	26.52		1516.1							
	OBS	00075	16.74	36.31	26.60		1515.6							
	OBS	00100	16.54	36.29	26.63		1515.4							
	OBS	00125	16.35	36.27	26.66		1515.2							
	OBS	00150	16.21	36.26	26.68		1515.1							
	OBS	00170	16.19	36.26	26.69		1515.4							
	OBS	00200	15.76	36.17	26.72		1514.5							
	OBS	00250	15.45	36.14	26.77		1514.3							
	OBS	00300	14.95	36.05	26.81		1513.4							
	OBS	00400	13.77	35.85	26.91		1511.0							
	OBS	00500	12.24	35.57	27.00		1507.2							
	OBS	00520	11.85	35.51	27.03		1506.1							
	OBS	00523	11.95	35.59	27.07		1506.6							
	OBS	00600	10.57	35.38	27.17		1502.8							
	OBS	00672	08.55	35.17	27.34		1496.3							
	OBS	00700	08.39	35.20	27.39		1496.2							
	OBS	00720	08.23	35.19	27.41		1495.9							
	OBS	00730	08.32	35.26	27.45		1496.5							
	OBS	00770	07.50	35.19	27.52		1493.9							
	OBS	00791	07.52	35.21	27.53		1494.4							
	OBS	00800	07.44	35.20	27.53		1494.2							
	OBS	00820	07.00	35.16	27.57		1492.8							
	OBS	00845	06.97	35.21	27.61		1493.1							
	OBS	00900	06.13	35.12	27.65		1490.6							
	OBS	00920	05.87	35.08	27.65		1489.8							
	OBS	00980	05.80	35.13	27.70		1490.6							
	OBS	01000	05.52	35.10	27.71		1489.8							
	OBS	01020	05.33	35.07	27.71		1489.3							
	OBS	01030	05.48	35.14	27.75		1490.2							
	OBS	01090	05.12	35.08	27.75		1489.6							
	OBS	01095	05.20	35.10	27.75		1490.1							
	OBS	01100	05.15	35.08	27.74		1489.9							
	OBS	01130	04.90	35.06	27.76		1489.4							
	OBS	01200	04.59	35.03	27.77		1489.2							
	OBS	01220	04.49	35.02	27.77		1489.1							
	OBS	01285	04.43	35.03	27.79		1490.0							
	OBS	01300	04.52	35.06	27.80		1490.6							
	OBS	01400	04.12	35.00	27.79		1490.6							
	OBS	01450	04.08	34.99	27.79		1491.2							
	OBS	01460	04.26	35.03	27.80		1492.2							
	OBS	01500	04.22	35.02	27.80		1492.7							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04709	AIR TEMP 19.6	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0037	MONTH 06	SHIP OU	WET BULB 16.9	27 1 3	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 10	DATA USE 1	BAROMETR 1023.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 037	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	20.68	36.42	25.68		1525.6							
	OBS	00010	20.53	36.41	25.71		1525.4							
	OBS	00020	19.36	36.34	25.97		1522.3							
	OBS	00030	18.58	36.27	26.12		1520.2							
	OBS	00050	17.01	36.32	26.54		1516.0							
	OBS	00075	16.69	36.32	26.62		1515.4							
	OBS	00100	16.46	36.30	26.66		1515.1							
	OBS	00125	16.26	36.26	26.67		1514.9							
	OBS	00150	16.05	36.22	26.69		1514.6							
	OBS	00200	15.48	36.13	26.75		1513.6							
	OBS	00250	14.87	36.02	26.80		1512.3							
	OBS	00300	14.34	35.94	26.86		1511.4							
	OBS	00400	13.08	35.73	26.96		1508.6							
	OBS	00430	12.86	35.68	26.97		1508.3							
	OBS	00500	11.57	35.49	27.07		1504.8							
	OBS	00510	11.69	35.55	27.09		1505.5							
	OBS	00600	09.55	35.25	27.24		1498.9							
	OBS	00700	08.31	35.22	27.42		1495.9							
	OBS	00720	07.63	35.13	27.45		1493.5							
	OBS	00735	07.84	35.20	27.47		1494.7							
	OBS	00775	07.17	35.15	27.53		1492.7							
	OBS	00800	07.13	35.19	27.57		1493.0							
	OBS	00855	06.98	35.22	27.62		1493.3							
	OBS	00900	06.21	35.15	27.66		1491.0							
	OBS	00939	05.65	35.07	27.67		1489.3							
	OBS	00962	05.49	35.07	27.69		1489.0							
	OBS	00980	05.64	35.12	27.71		1490.0							
	OBS	01000	05.43	35.09	27.72		1489.4							
	OBS	01040	05.10	35.06	27.73		1488.7							
	OBS	01100	05.15	35.10	27.76		1489.9							
	OBS	01200	04.80	35.07	27.78		1490.1							
	OBS	01300	04.43	35.03	27.79		1490.2							
	OBS	01400	04.22	35.01	27.79		1491.0							
	OBS	01410	04.24	35.02	27.80		1491.3							
	OBS	01500	04.05	35.00	27.80		1492.0							

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REFID 31 8177	YEAR 1970	BOTDP 04755	AIR TEMP 19.5	DIR HGT PER	WIND-DIR 36	INST STD RECORDER	TEN SQ 1206
CONSEC 0038	MONTH 06	SHIP OU	WET BULB 16.9	36 2 2	WIND-SPD 16	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 10	DATA USE 1	BAROMETR 1023.6	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 01 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 038	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	20.46	36.42	25.74		1525.0							
	OBS	00010	19.81	36.37	25.87		1523.4							
	OBS	00020	19.25	36.37	26.02		1522.0							
	OBS	00030	18.51	36.31	26.16		1520.0							
	OBS	00050	16.99	36.32	26.55		1515.9							
	OBS	00075	16.76	36.30	26.59		1515.6							
	OBS	00100	16.49	36.28	26.63		1515.2							
	OBS	00125	16.33	36.26	26.66		1515.1							
	OBS	00150	16.25	36.27	26.68		1515.3							
	OBS	00200	15.56	36.13	26.73		1513.8							
	OBS	00250	15.16	36.07	26.78		1513.3							
	OBS	00300	14.52	35.95	26.83		1511.9							
	OBS	00400	13.36	35.77	26.93		1509.6							
	OBS	00460	12.71	35.68	27.00		1508.3							
	OBS	00500	11.67	35.51	27.07		1505.2							
	OBS	00510	11.74	35.55	27.08		1505.6							
	OBS	00590	10.21	35.34	27.20		1501.3							
	OBS	00600	09.74	35.26	27.22		1499.6							
	OBS	00640	08.98	35.22	27.31		1497.4							
	OBS	00650	09.01	35.25	27.33		1497.7							
	OBS	00700	08.46	35.23	27.40		1496.5							
	OBS	00730	07.81	35.18	27.46		1494.4							
	OBS	00774	07.53	35.20	27.52		1494.1							
	OBS	00790	07.11	35.15	27.54		1492.7							
	OBS	00800	07.14	35.18	27.56		1493.0							
	OBS	00840	06.97	35.20	27.60		1493.0							
	OBS	00900	06.36	35.16	27.65		1491.6							
	OBS	01000	05.58	35.09	27.70		1490.0							
	OBS	01022	05.29	35.06	27.71		1489.2							
	OBS	01037	05.34	35.11	27.74		1489.7							
	OBS	01100	05.10	35.08	27.75		1489.7							
	OBS	01200	04.39	34.99	27.76		1488.3							
	OBS	01275	04.30	34.99	27.77		1489.2							
	OBS	01300	04.38	35.01	27.77		1490.0							
	OBS	01400	04.29	35.01	27.78		1491.3							
	OBS	01500	04.12	35.00	27.79		1492.3							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04390	AIR TEMP 19.6	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ L206
CONSEC 0039	MONTH 06	SHIP OU	WET BULB 16.7	31 1 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 10	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 039	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	20.72	36.41	25.66		1525.7							
	OBS	00010	20.37	36.39	25.74		1524.9							
	OBS	00020	19.93	36.34	25.82		1523.8							
	OBS	00030	19.26	36.33	25.99		1522.1							
	OBS	00050	17.15	36.21	26.42		1516.3							
	OBS	00075	16.68	36.28	26.59		1515.4							
	OBS	00100	16.53	36.28	26.63		1515.3							
	OBS	00125	16.29	36.25	26.66		1515.0							
	OBS	00150	16.20	36.25	26.68		1515.1							
	OBS	00200	15.53	36.14	26.75		1513.7							
	OBS	00250	14.93	36.02	26.79		1512.5							
	OBS	00300	14.47	35.97	26.85		1511.8							
	OBS	00320	14.27	35.93	26.87		1511.4							
	OBS	00365	14.13	35.90	26.87		1511.7							
	OBS	00382	14.15	35.94	26.90		1512.1							
	OBS	00400	13.66	35.81	26.90		1510.6							
	OBS	00420	12.96	35.66	26.93		1508.4							
	OBS	00438	12.85	35.64	26.94		1508.3							
	OBS	00442	13.01	35.74	26.98		1509.1							
	OBS	00500	11.98	35.55	27.04		1506.3							
	OBS	00590	10.37	35.34	27.17		1501.8							
	OBS	00600	10.46	35.40	27.20		1502.4							
	OBS	00665	09.35	35.30	27.32		1499.3							
	OBS	00675	08.44	35.15	27.34		1495.9							
	OBS	00680	08.57	35.17	27.34		1496.5							
	OBS	00693	08.57	35.24	27.39		1496.8							
	OBS	00700	08.27	35.18	27.39		1495.7							
	OBS	00720	08.21	35.19	27.41		1495.8							
	OBS	00742	08.43	35.32	27.48		1497.2							
	OBS	00800	07.72	35.23	27.52		1495.3							
	OBS	00850	06.85	35.13	27.56		1492.6							
	OBS	00865	06.93	35.20	27.61		1493.3							
	OBS	00900	06.46	35.16	27.64		1492.0							
	OBS	00918	06.01	35.10	27.65		1490.4							
	OBS	01000	05.67	35.11	27.70		1490.4							
	OBS	01100	05.16	35.08	27.74		1490.0							
	OBS	01200	04.65	35.03	27.76		1489.5							
	OBS	01272	04.40	35.00	27.76		1489.6							
	OBS	01280	04.51	35.01	27.76		1490.2							
	OBS	01300	04.34	34.99	27.76		1489.8							
	OBS	01370	04.64	35.07	27.79		1492.3							
	OBS	01400	04.53	35.05	27.79		1492.4							
	OBS	01500	04.30	35.03	27.80		1493.1							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04718	AIR TEMP 19.1	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0040	MONTH 06	SHIP OU	WET BULB 16.1	34 1 3	WIND-SPD 06	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 11	DATA USE 1	BAROMETR 1025.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 04 W	HOUR 01.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 040	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.9	OBS	00000	20.63	36.42	25.69		1525.5							
	OBS	00010	20.37	36.34	25.70		1524.9							
	OBS	00020	19.66	36.32	25.88		1523.1							
	OBS	00030	19.36	36.34	25.97		1522.4							
	OBS	00050	17.36	36.20	26.37		1516.9							
	OBS	00075	16.76	36.32	26.60		1515.7							
	OBS	00100	16.47	36.29	26.65		1515.2							
	OBS	00125	16.32	36.25	26.65		1515.1							
	OBS	00150	16.01	36.19	26.68		1514.5							
	OBS	00162	15.94	36.18	26.69		1514.4							
	OBS	00173	16.00	36.23	26.71		1514.8							
	OBS	00200	15.66	36.17	26.74		1514.2							
	OBS	00250	15.08	36.05	26.78		1513.0							
	OBS	00300	14.59	35.96	26.82		1512.2							
	OBS	00400	13.84	35.82	26.87		1511.2							
	OBS	00500	11.89	35.50	27.02		1505.9							
	OBS	00570	10.42	35.30	27.13		1501.6							
	OBS	00580	10.53	35.40	27.19		1502.3							
	OBS	00600	09.91	35.28	27.21		1500.3							
	OBS	00658	09.01	35.21	27.30		1497.8							
	OBS	00669	08.62	35.13	27.30		1496.4							
	OBS	00700	08.41	35.20	27.39		1496.3							
	OBS	00745	07.48	35.10	27.45		1493.3							
	OBS	00765	07.62	35.21	27.52		1494.3							
	OBS	00800	07.11	35.11	27.51		1492.8							
	OBS	00838	07.03	35.21	27.60		1493.2							
	OBS	00845	07.07	35.24	27.62		1493.6							
	OBS	00900	06.12	35.10	27.64		1490.5							
	OBS	00912	06.02	35.08	27.63		1490.3							
	OBS	00935	06.08	35.14	27.67		1491.0							
	OBS	00960	06.05	35.15	27.69		1491.3							
	OBS	00970	05.74	35.10	27.69		1490.2							
	OBS	00990	05.69	35.10	27.69		1490.3							
	OBS	01000	05.43	35.05	27.68		1489.4							
	OBS	01020	05.23	35.01	27.68		1488.8							
	OBS	01055	05.47	35.13	27.74		1490.5							
	OBS	01080	05.42	35.11	27.73		1490.7							
	OBS	01100	05.26	35.11	27.75		1490.4							
	OBS	01175	05.01	35.09	27.77		1490.6							
	OBS	01200	04.78	35.04	27.75		1490.0							
	OBS	01245	04.51	35.00	27.75		1489.6							
	OBS	01300	04.41	35.00	27.76		1490.1							
	OBS	01400	04.22	35.00	27.78		1491.0							
	OBS	01440	04.25	35.01	27.79		1491.8							
	OBS	01500	04.15	35.00	27.79		1492.4							

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REFID 31 8177	YEAR 1970	BOTDP 04572	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1206
CONSEC 0041	MONTH 06	SHIP OU	WET BULB 15.7	34 1 3	WIND-SPD 00	TRACE DIR D	5 SQUARE 2
LAT 34 53 N	DAY 11	DATA USE 1	BAROMETR 1025.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 06.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 041	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.3	OBS	00000	20.42	36.42	25.75		1524.9							
	OBS	00010	20.42	36.42	25.75		1525.1							
	OBS	00020	19.61	36.33	25.90		1523.0							
	OBS	00030	18.66	36.24	26.07		1520.4							
	OBS	00050	16.67	36.26	26.53		1515.5							
	OBS	00075	16.58	36.29	26.62		1515.1							
	OBS	00100	16.46	36.28	26.64		1515.1							
	OBS	00125	16.34	36.27	26.66		1515.1							
	OBS	00150	16.19	36.24	26.67		1515.1							
	OBS	00200	15.67	36.15	26.72		1514.2							
	OBS	00250	15.21	36.09	26.78		1513.5							
	OBS	00300	14.57	35.97	26.83		1512.1							
	OBS	00400	13.61	35.80	26.90		1510.5							
	OBS	00500	11.76	35.51	27.05		1505.5							
	OBS	00545	10.60	35.34	27.13		1501.9							
	OBS	00565	10.55	35.39	27.18		1502.1							
	OBS	00600	09.71	35.27	27.23		1499.5							
	OBS	00660	08.91	35.22	27.32		1497.5							
	OBS	00688	08.22	35.13	27.36		1495.2							
	OBS	00700	08.21	35.18	27.40		1495.5							
	OBS	00740	08.11	35.24	27.47		1495.8							
	OBS	00760	07.47	35.18	27.51		1493.6							
	OBS	00800	07.06	35.17	27.56		1492.7							
	OBS	00811	06.87	35.13	27.56		1492.1							
	OBS	00818	06.93	35.19	27.60		1492.5							
	OBS	00850	06.88	35.21	27.62		1492.9							
	OBS	00875	06.40	35.13	27.62		1491.3							
	OBS	00900	06.27	35.14	27.65		1491.2							
	OBS	00920	06.31	35.18	27.68		1491.7							
	OBS	01000	05.44	35.08	27.71		1489.4							
	OBS	01051	05.23	35.07	27.72		1489.4							
	OBS	01070	05.06	35.04	27.72		1489.0							
	OBS	01100	05.12	35.08	27.75		1489.8							
	OBS	01130	05.17	35.11	27.76		1490.5							
	OBS	01200	04.80	35.06	27.77		1490.1							
	OBS	01220	04.56	35.03	27.77		1489.4							
	OBS	01300	04.44	35.01	27.77		1490.3							
	OBS	01305	04.54	35.03	27.77		1490.8							
	OBS	01400	04.23	35.02	27.80		1491.1							
	OBS	01500	04.00	34.99	27.80		1491.8							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04495 AIR TEMP 19.6 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1206
CONSEC 0042 MONTH 06 SHIP OU WET BULB 16.1 35 2 3 WIND-SPD 00 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 11 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 042 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	20.59	36.40	25.69		1525.4							
	OBS	00010	20.41	36.42	25.75		1525.1							
	OBS	00020	19.51	36.37	25.95		1522.7							
	OBS	00030	18.76	36.34	26.12		1520.8							
	OBS	00050	16.96	36.27	26.52		1515.8							
	OBS	00075	16.64	36.31	26.62		1515.3							
	OBS	00100	16.42	36.29	26.66		1515.0							
	OBS	00125	16.26	36.26	26.67		1514.9							
	OBS	00150	15.93	36.19	26.70		1514.2							
	OBS	00200	15.39	36.12	26.77		1513.3							
	OBS	00250	15.06	36.06	26.79		1513.0							
	OBS	00300	14.56	35.97	26.83		1512.1							
	OBS	00400	13.36	35.78	26.94		1509.6							
	OBS	00440	12.88	35.72	26.99		1508.6							
	OBS	00500	11.61	35.49	27.06		1504.9							
	OBS	00575	10.30	35.34	27.18		1501.3							
	OBS	00595	10.34	35.39	27.22		1501.9							
	OBS	00600	09.81	35.29	27.23		1499.9							
	OBS	00621	09.45	35.27	27.27		1498.9							
	OBS	00628	09.62	35.33	27.29		1499.7							
	OBS	00643	09.39	35.28	27.29		1499.1							
	OBS	00652	09.45	35.34	27.33		1499.5							
	OBS	00685	08.16	35.14	27.38		1495.0							
	OBS	00700	08.33	35.22	27.42		1496.0							
	OBS	00705	08.27	35.20	27.41		1495.8							
	OBS	00782	07.36	35.20	27.55		1493.6							
	OBS	00800	07.14	35.17	27.55		1493.0							
	OBS	00833	07.03	35.19	27.58		1493.1							
	OBS	00857	06.65	35.14	27.60		1492.0							
	OBS	00875	06.82	35.23	27.65		1493.1							
	OBS	00900	06.42	35.16	27.64		1491.8							
	OBS	01000	05.88	35.15	27.71		1491.3							
	OBS	01076	05.35	35.08	27.72		1490.3							
	OBS	01100	05.56	35.15	27.75		1491.7							
	OBS	01130	05.01	35.07	27.75		1489.8							
	OBS	01200	04.92	35.08	27.77		1490.7							
	OBS	01265	04.49	35.01	27.76		1489.9							
	OBS	01300	04.51	35.04	27.78		1490.6							
	OBS	01330	04.33	35.01	27.78		1490.3							
	OBS	01375	04.24	35.00	27.78		1490.7							
	OBS	01400	04.42	35.05	27.80		1491.9							
	OBS	01500	04.27	35.03	27.80		1492.9							

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REFID 31 8177 YEAR 1970 BOTDP 04206 AIR TEMP 20.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0043 MONTH 06 SHIP OU WET BULB 16.6 02 1 3 WIND-SPD 02 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 02 W HOUR 18.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 043 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.7	OBS	00000	21.02	36.43	25.59		1526.5							
	OBS	00010	20.47	36.41	25.73		1525.2							
	OBS	00020	19.26	36.35	26.00		1522.0							
	OBS	00030	18.77	36.26	26.06		1520.7							
	OBS	00050	17.07	36.27	26.45		1516.1							
	OBS	00075	16.64	36.29	26.61		1515.3							
	OBS	00100	16.49	36.28	26.63		1515.2							
	OBS	00125	16.34	36.27	26.66		1515.1							
	OBS	00150	16.24	36.26	26.68		1515.2							
	OBS	00200	15.86	36.19	26.71		1514.8							
	OBS	00250	15.22	36.08	26.77		1513.5							
	OBS	00300	14.54	35.96	26.83		1512.0							
	OBS	00400	13.24	35.77	26.96		1509.2							
	OBS	00450	12.77	35.70	27.00		1508.4							
	OBS	00500	11.50	35.46	27.06		1504.5							
	OBS	00560	10.35	35.31	27.15		1501.2							
	OBS	00575	10.41	35.38	27.20		1501.8							
	OBS	00600	09.75	35.29	27.24		1499.7							
	OBS	00620	09.63	35.28	27.25		1499.6							
	OBS	00655	09.06	35.25	27.32		1498.0							
	OBS	00665	09.10	35.26	27.32		1498.3							
	OBS	00700	08.16	35.17	27.40		1495.3							
	OBS	00730	08.54	35.31	27.45		1497.4							
	OBS	00800	07.27	35.17	27.53		1493.5							
	OBS	00855	06.68	35.14	27.59		1492.1							
	OBS	00868	06.89	35.22	27.63		1493.2							
	OBS	00900	06.37	35.16	27.65		1491.6							
	OBS	00948	05.82	35.10	27.68		1490.1							
	OBS	00979	05.77	35.12	27.70		1490.5							
	OBS	00995	05.50	35.08	27.70		1489.6							
	OBS	01C00	05.64	35.13	27.72		1490.3							
	OBS	01100	05.11	35.08	27.75		1489.8							
	OBS	01200	04.59	35.03	27.77		1489.2							
	OBS	01265	04.40	35.01	27.77		1489.5							
	OBS	01300	04.62	35.06	27.79		1491.1							
	OBS	01340	04.45	35.04	27.79		1491.0							
	OBS	01350	04.54	35.06	27.80		1491.6							
	OBS	01400	04.36	35.03	27.79		1491.6							
	OBS	01500	04.25	35.02	27.80		1492.8							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04883	AIR TEMP 19.9	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0044	MONTH 06	SHIP OU	WET BULB 16.7	34 1 4	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 12	DATA USE 1	BAROMETR 1029.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 12 W	HOUR 00.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 044	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P34	TOT P	NO2	NO3	SI33	P4
00.6	OBS	00000	21.14	36.51	25.62		1526.9							
	OBS	00010	20.47	36.46	25.77		1525.3							
	OBS	00020	19.90	36.49	25.94		1523.9							
	OBS	00030	19.27	36.42	26.05		1522.3							
	OBS	00050	17.47	36.27	26.39		1517.3							
	OBS	00075	16.84	36.28	26.55		1515.8							
	OBS	00100	16.59	36.28	26.61		1515.5							
	OBS	00125	16.41	36.27	26.65		1515.4							
	OBS	00150	16.25	36.25	26.67		1515.3							
	OBS	00200	15.89	36.20	26.71		1514.9							
	OBS	00250	15.42	36.12	26.76		1514.2							
	OBS	00300	14.71	35.99	26.82		1512.6							
	OBS	00390	13.97	35.87	26.88		1511.6							
	OBS	00400	13.63	35.80	26.90		1510.5							
	OBS	00452	12.85	35.64	26.94		1508.6							
	OBS	00500	11.77	35.46	27.01		1505.5							
	OBS	00510	10.90	35.52 P	27.220									
	OBS	00565	10.71	35.37	27.13 *		1502.7							
	OBS	00570	10.74	35.41	27.16		1502.9							
	OBS	00600	10.52	35.41	27.20		1502.6							
	OBS	00650	09.19	35.26	27.31		1498.4							
	OBS	00700	08.25	35.14	27.37		1495.6							
	OBS	00710	08.46	35.20	27.38		1496.6							
	OBS	00730	08.37	35.23	27.42		1496.6							
	OBS	00745	07.58	35.07	27.41		1493.7							
	OBS	00766	07.52	35.12	27.46		1493.8							
	OBS	00770	07.70	35.21	27.50		1494.7							
	OBS	00800	07.17	35.14	27.53		1493.1							
	OBS	00825	06.94	35.15	27.57		1492.6							
	OBS	00855	07.00	35.21	27.60		1493.4							
	OBS	00900	06.32	35.14	27.64		1491.4							
	OBS	00930	05.89	35.08	27.65		1490.1							
	OBS	00950	06.04	35.14	27.68		1491.1							
	OBS	00990	05.69	35.11	27.70		1490.3							
	OBS	01000	05.78	35.14	27.71		1490.9							
	OBS	01100	05.15	35.06	27.73		1489.9							
	OBS	01112	05.05	35.06	27.74		1489.7							
	OBS	01180	05.41	35.16	27.77		1492.4							
	OBS	01200	05.37	35.16	27.78		1492.6							
	OBS	01300	04.98	35.11	27.79		1492.6							
	OBS	01400	04.54	35.05	27.79		1492.4							
	OBS	01500	04.20	35.01	27.79		1492.6							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04892 AIR TEMP 21. DIP HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0045 MONTH 06 SHIP OU WET BULB 19. 16 0 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 50 N DAY 12 DATA USE 1 BAROMETR 1030.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 07 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 045 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.71	36.41	25.66		1525.7							
	OBS	00010	19.90	36.35	25.84		1523.6							
	OBS	00020	19.40	36.33	25.95		1522.4							
	OBS	00030	18.68	36.31	26.12		1520.5							
	OBS	00050	17.02	36.29	26.52		1516.0							
	OBS	00075	16.59	36.30	26.63		1515.1							
	OBS	00100	16.45	36.30	26.66		1515.1							
	OBS	00125	16.35	36.30	26.68		1515.2							
	OBS	00150	16.28	36.28	26.68		1515.4							
	OBS	00200	15.92	36.21	26.71		1515.0							
	OBS	00250	15.36	36.13	26.78		1514.0							
	OBS	00300	14.78	36.01	26.82		1512.9							
	OBS	00370	13.63	35.82	26.92		1510.0							
	OBS	00400	13.28	35.74	26.93		1509.3							
	OBS	00420	12.99	35.68	26.94		1508.6							
	OBS	00428	13.04	35.70	26.94		1508.9							
	OBS	00480	12.05	35.55	27.02		1506.2							
	OBS	00485	12.20	35.62	27.05		1506.9							
	OBS	00500	12.07	35.60	27.06		1506.7							
	OBS	00570	10.55	35.38	27.17		1502.2							
	OBS	00600	10.16	35.38	27.24		1501.3							
	OBS	00620	09.85	35.35	27.27		1500.5							
	OBS	00663	08.38	35.16	27.36		1495.5							
	OBS	00700	08.29	35.22	27.42		1495.8							
	OBS	00725	08.17	35.23	27.45		1495.8							
	OBS	00750	07.56	35.11	27.45		1493.7							
	OBS	00760	07.78	35.21	27.49		1494.9							
	OBS	00800	07.19	35.17	27.55		1493.2							
	OBS	00826	07.06	35.19	27.58		1493.1							
	OBS	00850	07.22	35.26	27.61		1494.3							
	OBS	00870	06.63	35.16	27.62		1492.1							
	OBS	00900	06.29	35.14	27.65		1491.3							
	OBS	00925	06.05	35.13	27.67		1490.7							
	OBS	00940	05.72	35.10	27.69		1489.6							
	OBS	00953	05.36	35.07	27.71		1489.0							
	OBS	01000	05.48	35.12	27.73		1489.6							
	OBS	01008	05.63	35.16	27.75		1490.4							
	OBS	01030	05.67	35.16	27.74		1491.0							
	OBS	01070	05.21	35.10	27.75		1489.7							
	OBS	01100	05.13	35.10	27.76		1489.9							
	OBS	01130	04.90	35.07	27.76		1489.4							
	OBS	01150	04.97	35.10	27.78		1490.0							
	OBS	01200	04.60	35.04	27.77		1489.3							
	OBS	01300	04.46	35.04	27.79		1490.4							
	OBS	01400	04.20	35.02	27.80		1490.9							
	OBS	01500	04.05	35.00	27.80		1492.0							

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REFID 31 8177 YEAR 1970 BOTDP 03383 AIR TEMP 21.6 DIP HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0046 MONTH 06 SHIP OU WET BULB 18.6 11 1 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 12 DATA USE 1 BAROMETR 1029.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 03 W HOUR 18.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 046 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.6	OBS	00000	21.67	36.26	25.29		1528.0							
	OBS	00010	20.26	36.40	25.78		1524.6							
	OBS	00020	19.10	36.33	26.03		1521.5							
	OBS	00030	18.87	36.34	26.10		1521.1							
	OBS	00050	16.94	36.28	26.53		1515.7							
	OBS	00075	16.39	36.30	26.67		1514.5							
	OBS	00100	16.12	36.25	26.70		1514.0							
	OBS	00125	15.79	36.18	26.72		1513.4							
	OBS	00150	15.52	36.14	26.75		1512.9							
	OBS	00200	15.32	36.12	26.78		1513.1							
	OBS	00250	14.89	36.04	26.82		1512.4							
	OBS	00300	14.22	35.95	26.89		1511.0							
	OBS	00350	13.94	35.90	26.91		1510.8							
	OBS	00385	13.25	35.76	26.95		1509.0							
	OBS	00400	13.31	35.80	26.97		1509.5							
	OBS	00500	11.32	35.47	27.10		1503.9							
	OBS	00580	10.17	35.33	27.20		1500.9							
	OBS	00600	09.97	35.36	27.26		1500.6							
	OBS	00640	08.89	35.20	27.31		1497.1							
	OBS	00660	09.07	35.33	27.38		1498.2							
	OBS	00700	07.90	35.16	27.43		1494.3							
	OBS	00720	08.37	35.31	27.48		1496.6							
	OBS	00750	08.08	35.30	27.52		1496.0							
	OBS	00770	07.39	35.17	27.52		1493.5							
	OBS	00800	07.25	35.20	27.56		1493.5							
	OBS	00860	06.71	35.17	27.61		1492.3							
	OBS	00870	06.82	35.24	27.65		1493.0							
	OBS	00900	06.52	35.19	27.65		1492.2							
	OBS	00920	05.94	35.12	27.68		1490.2							
	OBS	01000	05.85	35.17	27.73		1491.2							
	OBS	01100	05.31	35.12	27.75		1490.6							
	OBS	01200	04.78	35.08	27.79		1490.1							
	OBS	01240	04.55	35.05	27.79		1489.8							
	OBS	01300	04.45	35.06	27.81		1490.4							
	OBS	01400	04.26	35.04	27.81		1491.2							
	OBS	01500	04.12	35.02	27.81		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04759 AIR TEMP 21.3 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0047 MONTH 06 SHIP OU WET BULB 19.4 49 X X WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 13 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 20 W HOUR 00.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 047 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.4	OBS	00000	21.23	36.47	25.57		1527.1							
	OBS	00010	20.78	36.44	25.67		1526.1							
	OBS	00020	19.73	36.36	25.89		1523.3							
	OBS	00030	19.18	36.34	26.02		1521.9							
	OBS	00050	17.43	36.28	26.41		1517.2							
	OBS	00075	17.00	36.37	26.58		1516.4							
	OBS	00100	16.81	36.36	26.62		1516.3							
	OBS	00125	16.46	36.31	26.66		1515.6							
	OBS	00150	16.28	36.28	26.68		1515.4							
	OBS	00200	15.77	36.19	26.73		1514.5							
	OBS	00250	15.21	36.09	26.78		1513.5							
	OBS	00300	14.66	36.01	26.84		1512.5							
	OBS	00400	13.53	35.82	26.94		1510.2							
	OBS	00500	12.43	35.63	27.01		1507.9							
	OBS	00515	11.93	35.53	27.03		1506.3							
	OBS	00570	11.21	35.44	27.10		1504.6							
	OBS	00600	10.16	35.32	27.19		1501.2							
	OBS	00620	09.75	35.29	27.24		1500.0							
	OBS	00655	09.73	35.36	27.30		1500.6							
	OBS	00665	09.28	35.28	27.31		1499.0							
	OBS	00700	08.93	35.29	27.38		1498.3							
	OBS	00720	09.11	35.40	27.43		1499.5							
	OBS	00780	07.88	35.24	27.50		1495.6							
	OBS	00800	07.78	35.24	27.52		1495.6							
	OBS	00820	07.23	35.16	27.53		1493.7							
	OBS	00860	07.18	35.22	27.59		1494.2							
	OBS	00880	06.78	35.18	27.61		1492.9							
	OBS	00900	06.70	35.21	27.65		1493.0							
	OBS	00995	05.85	35.15	27.71		1491.1							
	OBS	01000	05.70	35.12	27.71		1490.5							
	OBS	01030	05.35	35.08	27.72		1489.6							
	OBS	01100	05.27	35.12	27.76		1490.5							
	OBS	01200	04.97	35.10	27.78		1490.9							
	OBS	01300	04.67	35.08	27.80		1491.3							
	OBS	01400	04.47	35.06	27.80		1492.1							
	OBS	01500	04.38	35.06	27.81		1493.4							

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REFID 31 8177 YEAR 1970 BOTDP 04206 AIR TEMP 20.9 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0048 MONTH 06 SHIP OU WET BULB 19.0 19 0 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 13 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 00 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 048 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.3	OBS	00000	21.20	36.44	25.55		1527.0							
	OBS	00010	20.23	36.33	25.73		1524.5							
	OBS	00020	19.41	36.32	25.94		1522.4							
	OBS	00030	19.00	36.31	26.04		1521.4							
	OBS	00050	17.78	36.34	26.37		1518.3							
	OBS	00075	16.86	36.30	26.56		1515.9							
	OBS	00100	16.52	36.30	26.64		1515.3							
	OBS	00125	16.37	36.29	26.67		1515.3							
	OBS	00150	16.08	36.22	26.68		1514.7							
	OBS	00200	15.48	36.11	26.74		1513.5							
	OBS	00250	14.98	36.10	26.84		1512.8							
	OBS	00300	14.53	35.97	26.84		1512.0							
	OBS	00400	13.40	35.79	26.94		1509.7							
	OBS	00500	11.58	35.49	27.07		1504.8							
	OBS	00576	09.99	35.38	27.27		1500.3							
	OBS	00600	09.60	35.31	27.28		1499.2							
	OBS	00628	09.37	35.31	27.32		1498.8							
	OBS	00680	08.25	35.15	27.37		1495.3							
	OBS	00700	08.68	35.35	27.46		1497.5							
	OBS	00750	08.27	35.32	27.50		1496.7							
	OBS	00755	07.97	35.26	27.50		1495.6							
	OBS	00775	07.81	35.28	27.54		1495.3							
	OBS	00800	07.15	35.19	27.57		1493.1							
	OBS	00850	06.64	35.16	27.61		1491.8							
	OBS	00900	06.71	35.25	27.68		1493.1							
	OBS	00940	06.30	35.17	27.67		1492.0							
	OBS	01000	05.68	35.12	27.71		1490.5							
	OBS	01030	05.32	35.09	27.73		1489.5							
	OBS	01054	05.49	35.15	27.76		1490.6							
	OBS	01100	05.31	35.13	27.76		1490.6							
	OBS	01200	04.93	35.09	27.78		1490.7							
	OBS	01238	04.68	35.08	27.80		1490.3							
	OBS	01300	04.56	35.06	27.79		1490.8							
	OBS	01400	04.29	35.03	27.80		1491.3							
	OBS	01500	04.12	35.02	27.81		1492.3							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04572	AIR TEMP 21.4	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0049	MONTH 06	SHIP OU	WET BULB 19.4	19 1 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 13	DATA USE 1	BAROMETR 1028.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 18 W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 049	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	21.08	36.42	25.57		1526.7							
	OBS	00010	20.64	36.31	25.61		1525.6							
	OBS	00020	19.29	36.21	25.89		1521.9							
	OBS	00030	17.88	36.38	26.38		1518.3							
	OBS	00050	17.38	36.39	26.51		1517.2							
	OBS	00075	17.01	36.36	26.57		1516.4							
	OBS	00100	16.51	36.29	26.64		1515.3							
	OBS	00125	16.29	36.28	26.68		1515.0							
	OBS	00150	16.11	36.25	26.70		1514.8							
	OBS	00200	15.66	36.16	26.73		1514.2							
	OBS	00250	15.09	36.06	26.79		1513.1							
	OBS	00300	14.62	35.97	26.82		1512.3							
	OBS	00400	13.75	35.84	26.91		1511.0							
	OBS	00500	12.14	35.55	27.01		1506.8							
	OBS	00582	10.58	35.35	27.14		1502.5							
	OBS	00600	10.51	35.36	27.16		1502.5							
	OBS	00675	08.72	35.20	27.34		1497.0							
	OBS	00690	08.78	35.24	27.36		1497.5							
	OBS	00700	08.80	35.25	27.37		1497.8							
	OBS	00710	08.54	35.21	27.38		1496.9							
	OBS	00729	08.82	35.36	27.45		1498.5							
	OBS	00734	08.54	35.31	27.45		1497.4							
	OBS	00766	07.96	35.20	27.46		1495.6							
	OBS	00800	07.59	35.21	27.52		1494.8							
	OBS	00810	07.20	35.15	27.53		1493.4							
	OBS	00821	07.24	35.21	27.57		1493.8							
	OBS	00880	06.55	35.15	27.62		1492.0							
	OBS	00900	06.49	35.16	27.64		1492.1							
	OBS	00980	06.27	35.20	27.70		1492.6							
	OBS	01000	05.86	35.15	27.71		1491.2							
	OBS	01040	05.78	35.13	27.70		1491.5							
	OBS	01063	05.44	35.09	27.72		1490.5							
	OBS	01100	05.29	35.10	27.74		1490.5							
	OBS	01200	04.87	35.08	27.78		1490.4							
	OBS	01300	04.65	35.06	27.78		1491.2							
	OBS	01400	04.42	35.04	27.79		1491.9							
	OBS	01500	04.24	35.03	27.81		1492.8							

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REFID 31 8177	YEAR 1970	BOTDP 04389	AIR TEMP 22.0	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0050	MONTH 06	SHIP OU	WET BULB 19.8	20 1 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 13	DATA USE 1	BAROMETR 1027.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 58 W	HOUR 18.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 050	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.4	OBS	00000	21.76	36.41	25.37		1528.4							
	OBS	00010	20.79	36.36	25.60		1526.0							
	OBS	00020	19.67	36.30	25.86		1523.1							
	OBS	00030	18.54	36.16	26.04		1519.9							
	OBS	00050	17.29	36.30	26.46		1516.8							
	OBS	00075	16.56	36.30	26.63		1515.0							
	OBS	00100	16.37	36.28	26.66		1514.8							
	OBS	00125	16.04	36.22	26.69		1514.2							
	OBS	00150	15.81	36.19	26.72		1513.8							
	OBS	00200	15.48	36.14	26.76		1513.6							
	OBS	00250	15.02	36.05	26.79		1512.8							
	OBS	00300	14.39	35.95	26.85		1511.5							
	OBS	00315	14.26	35.92	26.86		1511.3							
	OBS	00340	14.16	35.93	26.89		1511.4							
	OBS	00400	13.44	35.81	26.95		1509.9							
	OBS	00500	11.69	35.53	27.08		1505.3							
	OBS	00575	09.84	35.25	27.19		1499.6							
	OBS	00600	09.59	35.27	27.25		1499.1							
	OBS	00650	08.48	35.14	27.33		1495.6							
	OBS	00680	08.56	35.25	27.40		1496.6							
	OBS	00685	08.32	35.19	27.39		1495.7							
	OBS	00690	08.55	35.32	27.46		1496.8							
	OBS	00700	08.50	35.31	27.46		1496.7							
	OBS	00800	07.04	35.13	27.54		1492.5							
	OBS	00850	06.48	35.14	27.62		1491.2							
	OBS	00880	06.69	35.22	27.66		1492.6							
	OBS	00900	06.68	35.22	27.66		1492.9							
	OBS	00915	06.37	35.17	27.66		1491.9							
	OBS	00935	06.28	35.19	27.69		1491.9							
	OBS	00950	05.97	35.14	27.69		1490.8							
	OBS	01000	05.54	35.09	27.70		1489.9							
	OBS	01010	05.29	35.07	27.72		1489.0							
	OBS	01060	05.19	35.08	27.74		1489.4							
	OBS	01070	05.34	35.13	27.76		1490.3							
	OBS	01100	05.11	35.09	27.75		1489.8							
	OBS	01140	05.14	35.12	27.77		1490.6							
	OBS	01200	04.71	35.06	27.78		1489.8							
	OBS	01250	04.61	35.05	27.78		1490.2							
	OBS	01273	04.63	35.06	27.79		1490.7							
	OBS	01300	04.49	35.04	27.79		1490.5							
	OBS	01310	04.36	35.02	27.78		1490.1							
	OBS	01400	04.28	35.02	27.79		1491.3							
	OBS	01500	04.23	35.03	27.81		1492.8							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04463	AIR TEMP 21.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0051	MONTH 06	SHIP OU	WET BULB 19.6	19 1 2	WIND-SPD 07	TRACE DIR 0	5 SQUARE 2
LAT 34 56 N	DAY 14	DATA USE 1	BAROMETR 1027.0	SEA	WIND-FDR	DURATION 00.4	2 SQUARE 48
LONG 048 05 W	HOUR 00.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 051	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.7	OBS	00000	21.16	36.41	25.54		1526.9							
	OBS	00010	20.06	36.31	25.76		1524.0							
	OBS	00020	19.06	36.32	26.03		1521.4							
	OBS	00030	18.76	36.32	26.11		1520.7							
	OBS	00050	17.73	36.27	26.33		1518.1							
	OBS	00075	16.26	36.24	26.66		1514.0							
	OBS	00100	15.90	36.21	26.72		1513.3							
	OBS	00125	15.53	36.15	26.76		1512.5							
	OBS	00150	15.29	36.10	26.77		1512.1							
	OBS	00200	15.01	36.06	26.80		1512.0							
	OBS	00250	14.56	35.97	26.83		1511.3							
	OBS	00275	14.32	35.93	26.85		1510.9							
	OBS	00300	14.20	35.93	26.88		1510.9							
	OBS	00400	13.16	35.74	26.95		1508.9							
	OBS	00500	11.67	35.52	27.07		1505.2							
	OBS	00570	10.44	35.37	27.18		1501.8							
	OBS	00580	10.53	35.40	27.19		1502.3							
	OBS	00600	10.02	35.30	27.20		1500.7							
	OBS	00640	09.01	35.24	27.32		1497.6							
	OBS	00655	08.98	35.27	27.35		1497.7							
	OBS	00670	09.04	35.32	27.38		1498.3							
	OBS	00700	08.12	35.20	27.43		1495.2							
	OBS	00708	08.10	35.20	27.44		1495.2							
	OBS	00720	08.53	35.33	27.47		1497.2							
	OBS	00750	08.31	35.30	27.48		1496.8							
	OBS	00800	07.44	35.22	27.55		1494.2							
	OBS	00840	06.91	35.19	27.60		1492.8							
	OBS	00870	06.89	35.22	27.63		1493.2							
	OBS	00900	06.36	35.18	27.67		1491.6							
	OBS	00945	05.78	35.13	27.70		1490.0							
	OBS	01000	05.56	35.13	27.73		1490.0							
	OBS	01070	05.19	35.12	27.77		1489.6							
	OBS	01100	05.17	35.11	27.76		1490.0							
	OBS	01200	04.77	35.08	27.79		1490.0							
	OBS	01250	04.70	35.08	27.79		1490.6							
	OBS	01285	04.45	35.06	27.81		1490.1							
	OBS	01300	04.52	35.07	27.81		1490.7							
	OBS	01325	04.31	35.04	27.81		1490.2							
	OBS	01340	04.44	35.07	27.82		1491.0							
	OBS	01352	04.28	35.04	27.81		1490.5							
	OBS	01365	04.39	35.05	27.81		1491.2							
	OBS	01400	04.21	35.04	27.82		1491.0							
	OBS	01425	04.38	35.06	27.81		1492.2							
	OBS	01438	04.23	35.03	27.81		1491.7							
	OBS	01475	04.42	35.08	27.83		1493.2							
	OBS	01500	04.24	35.05	27.82		1492.8							

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REFID 31 8177	YEAR 1970	BOTDP 04206	AIR TEMP 21.6	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0052	MONTH 06	SHIP OU	WET BULB 20.2	25 2 3	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 14	DATA USE 1	BAROMETR 1024.5	SEA	WIND-FDR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 06.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 052	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.7	OBS	00000	21.28	36.44	25.53		1527.2							
	OBS	00010	21.24	36.45	25.55		1527.3							
	OBS	00020	20.64	36.35	25.64		1525.8							
	OBS	00030	19.36	36.31	25.95		1522.4							
	OBS	00050	17.30	36.31	26.46		1516.8							
	OBS	00075	16.56	36.30	26.63		1515.0							
	OBS	00100	16.46	36.32	26.67		1515.2							
	OBS	00125	16.20	36.27	26.69		1514.7							
	OBS	00150	15.95	36.21	26.71		1514.3							
	OBS	00200	15.38	36.11	26.76		1513.2							
	OBS	00230	15.05	36.06	26.79		1512.6							
	OBS	00250	15.01	36.04	26.79		1512.8							
	OBS	00300	14.57	35.95	26.82		1512.1							
	OBS	00400	13.48	35.78	26.92		1510.0							
	OBS	00500	11.88	35.54	27.05		1505.9							
	OBS	00560	10.56	35.35	27.15		1502.0							
	OBS	00580	10.41	35.34	27.16		1501.8							
	OBS	00600	09.88	35.34	27.26		1500.2							
	OBS	00611	10.00	35.38	27.27		1500.9							
	OBS	00660	08.95	35.23	27.33		1497.7							
	OBS	00670	08.83	35.21	27.33		1497.3							
	OBS	00678	08.96	35.30	27.38		1498.1							
	OBS	00700	08.78	35.26	27.38		1497.7							
	OBS	00710	08.06	35.14	27.39		1495.0							
	OBS	00800	07.88	35.19	27.46		1495.9							
	OBS	00875	06.62	35.15	27.61		1492.2							
	OBS	00890	06.81	35.23	27.65		1493.3							
	OBS	00900	06.61	35.19	27.64		1492.6							
	OBS	00940	06.25	35.16	27.67		1491.8							
	OBS	00970	05.87	35.10	27.67		1490.7							
	OBS	01000	05.92	35.16	27.71		1491.5							
	OBS	01100	05.36	35.11	27.74		1490.8							
	OBS	01140	05.31	35.11	27.75		1491.3							
	OBS	01200	04.96	35.07	27.76		1490.8							
	OBS	01300	04.49	35.04	27.79		1490.5							
	OBS	01400	04.29	35.02	27.79		1491.3							
	OBS	01500	04.16	35.02	27.81		1492.5							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 03795	AIR TEMP 21.8	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0053	MONTH 06	SHIP OU	WET BULB 20.4	21 2 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 14	DATA USE 1	BAROMETR 1024.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 05 W	HOUR 12.5	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E42 053	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	21.18	36.41	25.54		1526.9							
	OBS	00010	20.86	36.34	25.57		1526.2							
	OBS	00020	19.61	36.23	25.82		1522.8							
	OBS	00030	18.51	36.31	26.16		1520.0							
	OBS	00050	17.11	36.26	26.47		1516.2							
	OBS	00075	16.38	36.27	26.65		1514.4							
	OBS	00100	16.21	36.25	26.68		1514.3							
	OBS	00125	16.00	36.23	26.71		1514.1							
	OBS	00150	15.77	36.18	26.72		1513.7							
	OBS	00200	15.41	36.11	26.75		1513.3							
	OBS	00250	14.93	36.02	26.79		1512.5							
	OBS	00300	14.52	35.96	26.83		1512.0							
	OBS	00375	13.89	35.89	26.92		1511.1							
	OBS	00400	13.31	35.77	26.94		1509.4							
	OBS	00450	12.45	35.61	26.99		1507.2							
	OBS	00485	12.23	35.59	27.02		1507.0							
	OBS	00500	11.98	35.56	27.05		1506.3							
	OBS	00540	11.31	35.46	27.09		1504.5							
	OBS	00600	10.13	35.38	27.24		1501.2							
	OBS	00634	09.11	35.23	27.30		1497.8							
	OBS	00655	08.88	35.19	27.31		1497.3							
	OBS	00680	09.08	35.33	27.38		1498.6							
	OBS	00700	09.08	35.35	27.40		1499.0							
	OBS	00711	08.98	35.34	27.41		1498.8							
	OBS	00724	07.93	35.14	27.41		1494.7							
	OBS	00742	08.31	35.30	27.48		1496.7							
	OBS	00760	08.09	35.26	27.48		1496.1							
	OBS	00770	07.64	35.19	27.50		1494.5							
	OBS	00800	07.38	35.19	27.53		1494.0							
	OBS	00845	06.81	35.15	27.58		1492.4							
	OBS	00860	06.87	35.20	27.61		1493.0							
	OBS	00869	06.69	35.16	27.61		1492.4							
	OBS	00875	06.81	35.24	27.65		1493.0							
	OBS	00900	06.71	35.24	27.67		1493.1							
	OBS	01000	05.84	35.15	27.71		1491.1							
	OBS	01050	05.42	35.11	27.73		1490.2							
	OBS	01080	05.41	35.12	27.74		1490.7							
	OBS	01100	05.30	35.11	27.75		1490.6							
	OBS	01200	04.98	35.10	27.78		1490.9							
	OBS	01300	04.52	35.05	27.79		1490.6							
	OBS	01345	04.75	35.10	27.80		1492.4							
	OBS	01365	04.52	35.06	27.80		1491.7							
	OBS	01400	04.54	35.07	27.80		1492.4							
	OBS	01420	04.47	35.06	27.80		1492.5							
	OBS	01440	04.58	35.10	27.82		1493.3							
	OBS	01470	04.52	35.08	27.81		1493.5							
	OBS	01500	04.31	35.06	27.82		1493.1							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04572	AIR TEMP 22.4	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0054	MONTH 06	SHIP OU	WET BULB 21.0	21	WIND-SPD 14	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 14	DATA USE 1	BAROMETR 1022.5	SEA 3	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 18.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 054	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.8	OBS	00000	21.62	36.43	25.43		1528.1							
	OBS	00010	20.41	36.32	25.68		1525.0							
	OBS	00020	19.56	36.36	25.93		1522.9							
	OBS	00030	19.19	36.34	26.01		1522.0							
	OBS	00050	17.48	36.32	26.43		1517.4							
	OBS	00075	16.83	36.31	26.58		1515.9							
	OBS	00100	16.52	36.30	26.64		1515.3							
	OBS	00125	16.23	36.25	26.67		1514.8							
	OBS	00150	16.10	36.23	26.69		1514.8							
	OBS	00200	15.56	36.14	26.74		1513.8							
	OBS	00250	15.10	36.05	26.78		1513.1							
	OBS	00300	14.42	35.96	26.86		1511.6							
	OBS	00400	13.28	35.77	26.95		1509.3							
	OBS	00490	12.14	35.60	27.05		1506.7							
	OBS	00500	11.83	35.52	27.04		1505.7							
	OBS	00550	10.54	35.37	27.17		1501.8							
	OBS	00570	10.36	35.33	27.17		1501.5							
	OBS	00575	10.44	35.42	27.22		1502.0							
	OBS	00600	09.78	35.31	27.25		1499.8							
	OBS	00650	08.91	35.22	27.32		1497.3							
	OBS	00682	08.13	35.13	27.38		1494.8							
	OBS	00700	08.21	35.23	27.44		1495.5							
	OBS	00710	08.26	35.26	27.46		1495.9							
	OBS	00770	07.65	35.24	27.53		1494.6							
	OBS	00800	07.06	35.18	27.57		1492.7							
	OBS	00825	06.90	35.16	27.58		1492.5							
	OBS	00850	06.94	35.23	27.63		1493.1							
	OBS	00870	06.49	35.17	27.64		1491.6							
	OBS	00900	06.38	35.20	27.68		1491.7							
	OBS	00925	06.41	35.21	27.69		1492.3							
	OBS	00970	05.79	35.14	27.71		1490.4							
	OBS	01000	05.30	35.07	27.72		1488.9							
	OBS	01100	04.93	35.07	27.76		1489.0							
	OBS	01200	04.40	35.00	27.76		1488.4							
	OBS	01235	04.25	35.00	27.78		1488.4							
	OBS	01280	04.35	35.02	27.79		1489.6							
	OBS	01300	04.35	35.02	27.79		1489.9							
	OBS	01330	04.32	35.02	27.79		1490.3							
	OBS	01340	04.21	35.00	27.79		1490.0							
	OBS	01400	04.14	35.01	27.80		1490.7							
	OBS	01440	04.18	35.02	27.80		1491.5							
	OBS	01500	04.08	35.01	27.81		1492.1							

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REFID 31 8177	YEAR 1970	BOTDP 04591	AIR TEMP 22.0	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0055	MONTH 06	SHIP OU	WET BULB 21.0	22 2 2	WIND-SPD 19	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 14	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 00 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 055	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	21.40	36.41	25.48		1527.5							
	OBS	00010	19.91	36.30	25.79		1523.6							
	OBS	00020	19.27	36.30	25.96		1522.0							
	OBS	00030	18.33	36.22	26.14		1519.4							
	OBS	00050	16.93	36.28	26.53		1515.7							
	OBS	00075	16.54	36.29	26.63		1515.0							
	OBS	00100	16.50	36.31	26.66		1515.3							
	OBS	00125	16.16	36.23	26.67		1514.6							
	OBS	00150	15.88	36.20	26.72		1514.1							
	OBS	00200	15.53	36.13	26.74		1513.7							
	OBS	00250	15.13	36.05	26.77		1513.2							
	OBS	00300	14.58	35.97	26.83		1512.2							
	OBS	00400	13.33	35.77	26.94		1509.5							
	OBS	00500	11.96	35.55	27.04		1506.2							
	OBS	00600	09.77	35.27	27.22		1499.7							
	OBS	00640	08.76	35.19	27.32		1496.6							
	OBS	00675	08.26	35.18	27.40		1495.2							
	OBS	00700	08.22	35.22	27.43		1495.6							
	OBS	00730	08.10	35.25	27.47		1495.6							
	OBS	00800	07.00	35.17	27.57		1492.4							
	OBS	00820	06.95	35.19	27.60		1492.6							
	OBS	00840	06.95	35.21	27.61		1493.0							
	OBS	00900	06.41	35.21	27.69		1491.8							
	OBS	00920	06.41	35.21	27.69		1492.2							
	OBS	00935	06.05	35.16	27.69		1490.9							
	OBS	01000	05.54	35.11	27.72		1489.9							
	OBS	01025	05.19	35.07	27.73		1488.8							
	OBS	01050	05.43	35.14	27.76		1490.3							
	OBS	01060	05.21	35.09	27.74		1489.5							
	OBS	01100	04.98	35.06	27.75		1489.2							
	OBS	01200	04.46	35.01	27.77		1488.7							
	OBS	01220	04.30	34.99	27.77		1488.3							
	OBS	01300	04.28	35.01	27.79		1489.6							
	OBS	01330	04.24	35.00	27.78		1489.9							
	OBS	01345	04.32	35.03	27.80		1490.5							
	OBS	01400	04.24	35.02	27.80		1491.1							
	OBS	01420	04.24	35.02	27.80		1491.4							
	OBS	01440	04.12	35.00	27.79		1491.3							
	OBS	01500	04.12	35.01	27.80		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04462 AIR TEMP 22. DIP HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0056 MONTH 06 SHIP OU WET BULB 21. 21 2 2 WIND-SPD 22 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 15 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 53 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 056 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	21.43	36.37	25.44		1527.5							
	OBS	00010	21.39	36.35	25.43		1527.6							
	OBS	00020	20.40	36.22	25.60		1525.0							
	OBS	00030	19.30	36.32	25.97		1522.2							
	OBS	00050	17.15	36.26	26.46		1516.3							
	OBS	00075	16.57	36.28	26.62		1515.0							
	OBS	00100	16.43	36.26	26.63		1515.0							
	OBS	00125	16.25	36.24	26.66		1514.8							
	OBS	00150	16.17	36.23	26.67		1515.0							
	OBS	00200	15.61	36.15	26.74		1514.0							
	OBS	00250	15.10	36.05	26.78		1513.1							
	OBS	00300	14.60	35.97	26.82		1512.2							
	OBS	00400	13.32	35.76	26.93		1509.4							
	OBS	00450	12.65	35.65	26.98		1507.9							
	OBS	00500	11.15	35.39	27.07		1503.2							
	OBS	00522	10.77	35.35	27.11		1502.2							
	OBS	00540	10.87	35.43	27.15		1502.9							
	OBS	00600	10.04	35.36	27.24		1500.8							
	OBS	00652	08.84	35.25	27.36		1497.1							
	OBS	00670	08.73	35.26	27.38		1497.0							
	OBS	00700	08.07	35.19	27.43		1494.9							
	OBS	00712	08.05	35.19	27.44		1495.1							
	OBS	00730	08.27	35.32	27.50		1496.4							
	OBS	00780	07.65	35.24	27.53		1494.7							
	OBS	00800	07.18	35.17	27.55		1493.1							
	OBS	00900	06.37	35.17	27.66		1491.6							
	OBS	00920	06.50	35.22	27.68		1492.5							
	OBS	00965	06.31	35.22	27.71		1492.5							
	OBS	01000	05.63	35.11	27.71		1490.2							
	OBS	01089	05.25	35.06	27.71		1490.1							
	OBS	01100	05.04	35.05	27.73		1489.4							
	OBS	01200	04.65	35.02	27.75		1489.5							
	OBS	01240	04.44	35.00	27.76		1489.2							
	OBS	01300	04.37	35.00	27.77		1489.9							
	OBS	01400	04.34	35.01	27.78		1491.5							
	OBS	01440	04.14	34.99	27.78		1491.3							
	OBS	01500	04.10	34.99	27.79		1492.2							

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REFID 31 8177 YEAR 1970 BOTDP 04526 AIR TEMP 22.0 DIP HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0057 MONTH 06 SHIP OU WET BULB 20.9 22 4 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 15 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 59 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 057 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	21.24	36.40	25.51		1527.1							
	OBS	00010	21.24	36.40	25.51		1527.2							
	OBS	00020	19.60	36.29	25.87		1522.9							
	OBS	00030	18.90	36.30	26.06		1521.1							
	OBS	00050	17.20	36.26	26.45		1516.5							
	OBS	00075	16.68	36.29	26.60		1515.4							
	OBS	00100	16.46	36.29	26.65		1515.1							
	OBS	00125	16.33	36.25	26.65		1515.1							
	OBS	00150	16.13	36.23	26.68		1514.9							
	OBS	00200	15.74	36.16	26.72		1514.4							
	OBS	00250	15.23	36.07	26.76		1513.5							
	OBS	00300	14.63	35.97	26.82		1512.3							
	OBS	00400	13.51	35.80	26.93		1510.1							
	OBS	00460	12.75	35.66	26.97		1508.4							
	OBS	00500	11.69	35.45	27.02		1505.2							
	OBS	00529	11.08	35.40	27.09		1503.4							
	OBS	00533	11.21	35.51	27.15		1504.1							
	OBS	00600	10.03	35.35	27.24		1500.8							
	OBS	00690	08.14	35.17	27.41		1495.0							
	OBS	00700	08.21	35.24	27.45		1495.5							
	OBS	00731	08.15	35.25	27.47		1495.8							
	OBS	00740	08.29	35.32	27.50		1496.6							
	OBS	00777	07.40	35.17	27.52		1493.6							
	OBS	00780	07.47	35.23	27.55		1494.0							
	OBS	00800	07.20	35.17	27.54		1493.2							
	OBS	00840	06.60	35.13	27.60		1491.5							
	OBS	00865	06.41	35.12	27.61		1491.1							
	OBS	00890	06.73	35.23	27.66		1493.0							
	OBS	00900	06.67	35.21	27.65		1492.9							
	OBS	00945	06.28	35.20	27.69		1492.1							
	OBS	00965	05.91	35.13	27.69		1490.8							
	OBS	00972	05.98	35.16	27.70		1491.3							
	OBS	01000	05.70	35.12	27.71		1490.5							
	OBS	01040	05.60	35.13	27.73		1490.8							
	OBS	01060	05.23	35.08	27.73		1489.6							
	OBS	01100	05.10	35.08	27.75		1489.7							
	OBS	01150	04.80	35.04	27.75		1489.3							
	OBS	01190	04.40	34.99	27.76		1488.2							
	OBS	01200	04.43	35.00	27.76		1488.5							
	OBS	01300	04.30	35.00	27.78		1489.7							
	OBS	01330	04.39	35.02	27.78		1490.6							
	OBS	01385	04.27	35.01	27.79		1491.0							
	OBS	01400	04.40	35.03	27.79		1491.8							
	OBS	01420	04.25	35.01	27.79		1491.5							
	OBS	01500	04.20	35.01	27.79		1492.6							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BGTDP 04481	AIR TEMP 20.5	DIR HGT PER	#IND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0058	MONTH 06	SHIP OU	WET BULB 19.5	23 3 2	#IND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 15	DATA USE 1	BAROMETR 1022.8	SEA	#IND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 05 W	HOUR 18.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E42 058	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.4	OBS	00600	21.47	36.36	25.42		1527.6							
	OBS	00010	21.14	36.29	25.46		1526.9							
	OBS	00020	20.24	36.23	25.65		1524.6							
	OBS	00030	19.30	36.21	25.89		1522.1							
	OBS	00050	17.19	36.23	26.43		1516.4							
	OBS	00075	16.54	36.24	26.59		1514.9							
	OBS	00100	16.39	36.25	26.64		1514.9							
	OBS	00125	16.26	36.25	26.67		1514.9							
	OBS	00150	16.15	36.23	26.68		1514.9							
	OBS	00200	15.46	36.12	26.75		1513.5							
	OBS	00250	15.09	36.04	26.77		1513.0							
	OBS	00300	14.49	35.93	26.82		1511.8							
	OBS	00400	13.04	35.71	26.95		1508.4							
	OBS	00470	12.04	35.53	27.01		1506.0							
	OBS	00500	11.24	35.42	27.08		1503.6							
	OBS	00510	10.97	35.37	27.09		1502.7							
	OBS	00530	11.09	35.47	27.14		1503.6							
	OBS	00600	09.94	35.34	27.25		1500.5							
	OBS	00620	09.79	35.34	27.27		1500.2							
	OBS	00630	09.24	35.25	27.29		1498.3							
	OBS	00680	08.03	35.13	27.39		1494.4							
	OBS	00700	08.24	35.24	27.45		1495.7							
	OBS	00708	08.28	35.28	27.47		1496.0							
	OBS	00745	08.08	35.28	27.50		1495.8							
	OBS	00800	07.09	35.17	27.56		1492.8							
	OBS	00830	06.78	35.14	27.58		1492.0							
	OBS	00855	06.91	35.21	27.62		1493.1							
	OBS	00900	06.36	35.15	27.64		1491.6							
	OBS	00914	06.26	35.16	27.67		1491.4							
	OBS	00930	06.29	35.18	27.68		1491.8							
	OBS	00970	05.57	35.08	27.69		1489.5							
	OBS	00978	05.64	35.11	27.71		1489.9							
	OBS	01000	05.34	35.07	27.71		1489.0							
	OBS	01025	05.22	35.07	27.73		1488.9							
	OBS	01074	05.33	35.11	27.74		1490.3							
	OBS	01080	04.97	35.06	27.75		1488.8							
	OBS	01100	04.86	35.04	27.74		1488.7							
	OBS	01190	04.53	35.02	27.77		1488.8							
	OBS	01200	04.56	35.02	27.76		1489.1							
	OBS	01230	04.44	35.01	27.77		1489.1							
	OBS	01290	04.31	35.00	27.77		1489.5							
	OBS	01300	04.42	35.03	27.79		1490.2							
	OBS	01340	04.36	35.01	27.78		1490.6							
	OBS	01350	04.27	35.01	27.79		1490.4							
	OBS	01400	04.32	35.02	27.79		1491.4							
	OBS	01500	04.11	35.00	27.80		1492.2							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 18.0 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0059 MONTH 06 SHIP OU WET BULB 17.5 03 3 ? WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 15 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 048 02 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X? ORIG E42 059 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	21.22	36.39	25.51		1527.0							
	OBS	00010	21.22	36.39	25.51		1527.2							
	OBS	00020	20.01	36.37	25.82		1524.1							
	OBS	00030	19.19	36.30	25.98		1521.9							
	OBS	00050	17.29	36.34	26.49		1516.9							
	OBS	00075	16.74	36.32	26.61		1515.6							
	OBS	00100	16.40	36.27	26.65		1514.9							
	OBS	00125	16.26	36.26	26.67		1514.9							
	OBS	00150	16.05	36.23	26.70		1514.6							
	OBS	00200	15.56	36.14	26.74		1513.8							
	OBS	00250	15.29	36.10	26.77		1513.8							
	OBS	00300	14.61	35.99	26.84		1512.3							
	OBS	00400	13.44	35.79	26.93		1509.9							
	OBS	00500	11.74	35.54	27.08		1505.5							
	OBS	00600	09.72	35.31	27.26		1499.6							
	OBS	00630	09.05	35.23	27.31		1497.5							
	OBS	00640	09.11	35.26	27.32		1498.0							
	OBS	00685	08.06	35.15	27.40		1494.6							
	OBS	00700	08.25	35.25	27.45		1495.7							
	OBS	00710	08.33	35.27	27.46		1496.2							
	OBS	00745	07.99	35.27	27.51		1495.5							
	OBS	00775	07.35	35.20	27.55		1493.4							
	OBS	00800	07.11	35.19	27.57		1492.9							
	OBS	00812	06.98	35.18	27.58		1492.6							
	OBS	00835	06.99	35.21	27.61		1493.0							
	OBS	00872	06.56	35.19	27.65		1491.9							
	OBS	00900	06.26	35.15	27.66		1491.2							
	OBS	00920	05.82	35.12	27.69		1489.7							
	OBS	00925	05.88	35.13	27.69		1490.0							
	OBS	00975	05.39	35.08	27.71		1488.8							
	OBS	01000	05.36	35.09	27.72		1489.1							
	OBS	01015	05.21	35.07	27.73		1488.7							
	OBS	01020	05.27	35.09	27.74		1489.1							
	OBS	01070	05.18	35.09	27.75		1489.6							
	OBS	01100	04.99	35.08	27.76		1489.3							
	OBS	01170	04.56	35.03	27.77		1488.6							
	OBS	01200	04.56	35.05	27.79		1489.1							
	OBS	01230	04.66	35.06	27.78		1490.1							
	OBS	01240	04.57	35.04	27.78		1489.8							
	OBS	01260	04.61	35.06	27.79		1490.4							
	OBS	01290	04.44	35.03	27.78		1490.1							
	OBS	01300	04.42	35.03	27.79		1490.2							
	OBS	01400	04.25	35.02	27.80		1491.2							
	OBS	01500	04.14	35.02	27.81		1492.4							

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REFID 31 8177 YEAR 1970 BOTDP 03658 AIR TEMP 18.9 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206
CONSEC 0060 MONTH 06 SHIP OU WET BULB 17.2 06 2 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 16 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 03 W HOUR 06.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 060 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.4	OBS	00000	21.12	36.38	25.53		1526.7							
	OBS	00010	21.07	36.38	25.54		1526.8							
	OBS	00020	20.95	36.31	25.52		1526.5							
	OBS	00030	19.35	36.28	25.93		1522.3							
	OBS	00050	17.20	36.25	26.44		1516.5							
	OBS	00075	16.60	36.30	26.62		1515.2							
	OBS	00100	16.40	36.30	26.67		1515.0							
	OBS	00125	16.21	36.25	26.68		1514.7							
	OBS	00150	16.03	36.24	26.71		1514.6							
	OBS	00200	15.74	36.16	26.72		1514.4							
	OBS	00250	15.07	36.04	26.78		1513.0							
	OBS	00300	14.53	35.95	26.82		1512.0							
	OBS	00400	13.47	35.77	26.91		1510.0							
	OBS	00442	12.69	35.64	26.97		1507.9							
	OBS	00492	11.89	35.54	27.05		1505.8							
	OBS	00500	11.96	35.56	27.05		1506.2							
	OBS	00600	10.11	35.34	27.22		1501.1							
	OBS	00666	09.08	35.25	27.32		1498.3							
	OBS	00674	09.20	35.34	27.37		1499.0							
	OBS	00700	08.45	35.21	27.39		1496.4							
	OBS	00710	08.55	35.29	27.44		1497.1							
	OBS	00770	07.24	35.11	27.49		1492.8							
	OBS	00775	07.36	35.19	27.54		1493.5							
	OBS	00800	07.17	35.15	27.53		1493.1							
	OBS	00825	06.80	35.13	27.57		1492.0							
	OBS	00882	06.40	35.14	27.63		1491.4							
	OBS	00892	06.66	35.23	27.67		1492.7							
	OBS	00900	06.53	35.19	27.65		1492.3							
	OBS	00950	05.93	35.10	27.66		1490.6							
	OBS	01000	05.67	35.11	27.70		1490.4							
	OBS	01038	05.66	35.13	27.72		1491.0							
	OBS	01100	05.36	35.11	27.74		1490.8							
	OBS	01200	05.01	35.09	27.77		1491.0							
	OBS	01258	04.97	35.10	27.78		1491.9							
	OBS	01272	04.72	35.06	27.78		1491.0							
	OBS	01277	04.80	35.09	27.79		1491.5							
	OBS	01300	04.50	35.03	27.78		1490.5							
	OBS	01400	04.31	35.03	27.80		1491.4							
	OBS	01500	04.16	35.01	27.80		1492.4							

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TABLE XXI.—Continued

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BGTDP 04572	AIR TEMP 19.9	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0062	MONTH 06	SHIP OU	WET BULB 16.8	04 2 2	WIND-SPD 11	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 16	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 19.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 062	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.3	OBS	00000	20.85	36.40	25.62		1526.1							
	OBS	00010	20.33	36.31	25.69		1524.7							
	OBS	00020	19.28	36.29	25.95		1522.0							
	OBS	00030	17.83	36.28	26.31		1518.0							
	OBS	00050	16.90	36.28	26.54		1515.6							
	OBS	00075	16.53	36.28	26.63		1514.9							
	OBS	00100	16.37	36.27	26.66		1514.8							
	OBS	00125	16.05	36.21	26.68		1514.2							
	OBS	00150	15.89	36.19	26.71		1514.1							
	OBS	00200	15.51	36.13	26.75		1513.7							
	OBS	00250	15.23	36.07	26.76		1513.5							
	OBS	00300	14.66	35.98	26.82		1512.4							
	OBS	00400	13.72	35.83	26.90		1510.8							
	OBS	00500	11.90	35.52	27.03		1506.0							
	OBS	00567	10.30	35.32	27.17		1501.2							
	OBS	00585	10.29	35.32	27.17		1501.4							
	OBS	00600	09.86	35.30	27.22		1500.1							
	OBS	00640	08.88	35.17	27.29		1497.0							
	OBS	00670	09.03	35.29	27.36		1498.2							
	OBS	00700	08.15	35.16	27.40		1495.2							
	OBS	00730	08.52	35.28	27.43		1497.3							
	OBS	00780	07.45	35.17	27.51		1493.9							
	OBS	00800	07.31	35.18	27.54		1493.7							
	OBS	00840	06.97	35.16	27.57		1493.0							
	OBS	00855	07.10	35.21	27.59		1493.8							
	OBS	00900	06.36	35.14	27.64		1491.5							
	OBS	00942	05.75	35.09	27.68		1489.7							
	OBS	00975	05.71	35.10	27.69		1490.1							
	OBS	00985	05.78	35.13	27.70		1490.6							
	OBS	01000	05.76	35.14	27.71		1490.8							
	OBS	01006	05.77	35.15	27.72		1491.0							
	OBS	01040	05.30	35.08	27.72		1489.5							
	OBS	01055	05.39	35.11	27.74		1490.2							
	OBS	01080	05.22	35.09	27.74		1489.9							
	OBS	01100	05.28	35.11	27.75		1490.5							
	OBS	01105	05.33	35.13	27.76		1490.8							
	OBS	01120	05.18	35.11	27.76		1490.4							
	OBS	01130	05.09	35.09	27.76		1490.2							
	OBS	01160	05.33	35.14	27.77		1491.7							
	OBS	01170	05.20	35.12	27.77		1491.3							
	OBS	01190	05.21	35.13	27.77		1491.7							
	OBS	01200	05.15	35.12	27.77		1491.6							
	OBS	01220	05.06	35.11	27.78		1491.6							
	OBS	01240	05.11	35.13	27.79		1492.2							
	OBS	01300	04.85	35.11	27.80		1492.1							
	OBS	01400	04.31	35.04	27.81		1491.4							
	OBS	01500	04.08	35.00	27.80		1492.1							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04755 AIR TEMP 19.4 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0063 MONTH 06 SHIP OU WET BULB 16.4 02 2 3 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 17 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 08 W HOUR 00.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 063 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.7	OBS	00000	20.90	36.42	25.62		1526.2							
	OBS	00010	20.90	36.42	25.62		1526.4							
	OBS	00020	19.79	36.19	25.74		1523.3							
	OBS	00030	18.79	36.37	26.14		1520.9							
	OBS	00050	17.54	36.29	26.39		1517.5							
	OBS	00075	16.92	36.37	26.60		1516.2							
	OBS	00100	16.63	36.31	26.62		1515.7							
	OBS	00125	16.42	36.28	26.65		1515.4							
	OBS	00150	16.30	36.27	26.67		1515.4							
	OBS	00200	15.85	36.18	26.71		1514.8							
	OBS	00250	15.36	36.08	26.74		1513.9							
	OBS	00300	14.79	35.99	26.80		1512.9							
	OBS	00312	14.56	35.93	26.80		1512.2							
	OBS	00400	14.01	35.90	26.90		1511.9							
	OBS	00430	13.41	35.78	26.93		1510.3							
	OBS	00450	13.34	35.78	26.95		1510.4							
	OBS	00500	12.54	35.65	27.01		1508.3							
	OBS	00546	11.84	35.54	27.06		1506.6							
	OBS	00600	10.49	35.33	27.14		1502.4							
	OBS	00637	09.73	35.25	27.21		1500.2							
	OBS	00647	09.81	35.33	27.26		1500.7							
	OBS	00675	08.87	35.19	27.31		1497.6							
	OBS	00689	08.97	35.25	27.34		1498.2							
	OBS	00694	08.69	35.18	27.33		1497.2							
	OBS	00700	08.76	35.27	27.39		1497.7							
	OBS	00720	08.36	35.21	27.40		1496.4							
	OBS	00734	08.33	35.22	27.42		1496.5							
	OBS	00745	08.66	35.33	27.45		1498.1							
	OBS	00800	07.91	35.19	27.46		1496.0							
	OBS	00850	06.89	35.14	27.56		1492.8							
	OBS	00900	06.67	35.18	27.63		1492.8							
	OBS	00990	05.92	35.14	27.69		1491.3							
	OBS	01000	05.52	35.08	27.70		1489.8							
	OBS	01031	05.50	35.10	27.72		1490.2							
	OBS	01050	05.28	35.07	27.72		1489.6							
	OBS	01060	05.39	35.10	27.73		1490.3							
	OBS	01100	05.19	35.08	27.74		1490.1							
	OBS	01200	04.85	35.06	27.76		1490.3							
	OBS	01300	04.64	35.05	27.78		1491.1							
	OBS	01390	04.42	35.03	27.79		1491.7							
	OBS	01400	04.53	35.07	27.81		1492.4							
	OBS	01445	04.60	35.10	27.82		1493.5							
	OBS	01500	04.47	35.07	27.81		1493.8							

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REFID 31 8177 YEAR 1970 BOTDP 03237 AIR TEMP 18.7 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0064 MONTH 06 SHIP OU WET BULB 15.3 05 2 3 WIND-SPD 11 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 17 DATA USE 1 BAROMETR 1028.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 08 W HOUR 06.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 064 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.6	OBS	00000	20.54	36.41	25.71		1525.2							
	OBS	00010	20.54	36.41	25.71		1525.4							
	OBS	00020	19.43	36.23	25.87		1522.3							
	OBS	00030	18.29	36.29	26.20		1519.4							
	OBS	00050	16.90	36.28	26.54		1515.6							
	OBS	00075	16.60	36.30	26.62		1515.2							
	OBS	00100	16.49	36.30	26.65		1515.2							
	OBS	00125	16.33	36.28	26.67		1515.1							
	OBS	00150	16.22	36.26	26.68		1515.2							
	OBS	00200	15.78	36.18	26.72		1514.6							
	OBS	00250	15.28	36.09	26.77		1513.7							
	OBS	00300	14.75	36.01	26.82		1512.8							
	OBS	00400	13.55	35.79	26.91		1510.2							
	OBS	00500	12.20	35.57	27.01		1507.1							
	OBS	00575	10.96	35.42	27.13		1503.8							
	OBS	00600	11.00	35.50	27.18		1504.5							
	OBS	00645	10.43	35.41	27.22		1503.1							
	OBS	00680	09.53	35.24	27.24		1500.1							
	OBS	00700	09.20	35.27	27.32		1499.3							
	OBS	00715	09.46	35.34	27.33		1500.6							
	OBS	00730	08.69	35.17	27.32		1497.8							
	OBS	00740	08.71	35.25	27.38		1498.1							
	OBS	00755	08.33	35.17	27.38		1496.8							
	OBS	00775	08.48	35.26	27.42		1497.8							
	OBS	00800	07.78	35.16	27.45		1495.5							
	OBS	00814	07.95	35.23	27.48		1496.4							
	OBS	00825	07.71	35.19	27.49		1495.6							
	OBS	00845	07.72	35.24	27.52		1496.1							
	OBS	00890	07.41	35.28	27.60		1495.7							
	OBS	00900	07.10	35.25	27.62		1494.6							
	OBS	00940	06.78	35.19	27.62		1493.9							
	OBS	00965	06.23	35.13	27.65		1492.1							
	OBS	01000	05.96	35.14	27.69		1491.6							
	OBS	01042	05.90	35.16	27.71		1492.1							
	OBS	01050	05.95	35.18	27.72		1492.5							
	OBS	01100	05.65	35.14	27.73		1492.0							
	OBS	01140	05.09	35.07	27.74		1490.3							
	OBS	01200	04.97	35.07	27.76		1490.8							
	OBS	01300	04.80	35.07	27.78		1491.8							
	OBS	01310	04.68	35.06	27.78		1491.5							
	OBS	01410	04.45	35.04	27.79		1492.2							
	OBS	01500	04.26	35.02	27.80		1492.9							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTOP 03107	AIR TEMP 19.1	DIP MGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
CONSEC 0065	MONTH 06	SHIP OU	WET BULB 15.3	07 2 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 35 05 N	DAY 17	DATA USE 1	BAPOMETR 1029.7	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 48
LONG 048 10 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 065	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	21.08	36.40	25.56		1526.7							
	OBS	00010	21.04	36.41	25.57		1526.7							
	OBS	00020	21.02	36.40	25.57		1526.8							
	OBS	00030	19.37	36.30	25.94		1522.4							
	OBS	00050	17.02	36.28	26.51		1516.0							
	OBS	00075	16.66	36.33	26.63		1515.4							
	OBS	00100	16.55	36.33	26.66		1515.4							
	OBS	00125	16.39	36.30	26.67		1515.3							
	OBS	00150	16.17	36.26	26.69		1515.0							
	OBS	00200	15.92	36.18	26.69		1515.0							
	OBS	00250	15.22	36.10	26.79		1513.5							
	OBS	00260	14.90	36.05	26.82		1512.6							
	OBS	00270	14.94	36.07	26.83		1512.9							
	OBS	00300	14.48	36.00	26.87		1511.9							
	OBS	00400	13.40	35.81	26.96		1509.8							
	OBS	00445	12.94	35.75	27.00		1508.9							
	OBS	00500	11.77	35.56	27.09		1505.6							
	OBS	00540	11.12	35.46	27.13		1503.8							
	OBS	00590	09.79	35.33	27.26		1499.7							
	OBS	00600	09.91	35.37	27.28		1500.4							
	OBS	00660	08.90	35.30	27.39		1497.6							
	OBS	00690	08.72	35.28	27.40		1497.4							
	OBS	00700	08.50	35.26	27.42		1496.7							
	OBS	00720	07.87	35.18	27.45		1494.5							
	OBS	00760	07.48	35.16	27.50		1493.6							
	OBS	00765	07.56	35.20	27.52		1494.1							
	OBS	00790	07.27	35.20	27.56		1493.4							
	OBS	00800	07.27	35.20	27.56		1493.5							
	OBS	00880	06.48	35.17	27.64		1491.7							
	OBS	00900	06.46	35.21	27.68		1492.0							
	OBS	00925	06.54	35.24	27.69		1492.8							
	OBS	00960	06.10	35.19	27.71		1491.6							
	OBS	01000	05.87	35.17	27.72		1491.3							
	OBS	01080	05.32	35.12	27.75		1490.3							
	OBS	01090	05.36	35.13	27.76		1490.7							
	OBS	01100	05.29	35.12	27.76		1490.5							
	OBS	01180	04.81	35.06	27.77		1489.6							
	OBS	01200	04.84	35.09	27.79		1490.3							
	OBS	01240	04.85	35.09	27.79		1491.0							
	OBS	01265	05.08	35.15	27.81		1492.5							
	OBS	01300	04.85	35.11	27.80		1492.1							
	OBS	01305	04.78	35.10	27.80		1491.9							
	OBS	01320	04.95	35.14	27.81		1492.9							
	OBS	01350	04.74	35.11	27.81		1492.5							
	OBS	01355	04.78	35.11	27.81		1492.7							
	OBS	01400	04.61	35.09	27.81		1492.7							
	OBS	01450	04.52	35.07	27.81		1493.2							
	OBS	01460	04.37	35.05	27.81		1492.7							
	OBS	01500	04.22	35.04	27.82		1492.7							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 03658	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0066	MONTH 06	SHIP OU	WET BULB 16.0	00 0 X	WIND-SPD 05	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 17	DATA USE 1	BAROMETR 1029.2	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 03 W	HOUR 18.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 066	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	21.58	36.39	25.41		1528.0							
	OBS	00010	21.10	36.38	25.53		1526.9							
	OBS	00020	19.75	36.30	25.84		1523.3							
	OBS	00030	18.73	36.29	26.09		1520.6							
	OBS	00050	17.66	36.23	26.31		1517.8							
	OBS	00075	16.45	36.28	26.64		1514.7							
	OBS	00100	16.32	36.25	26.65		1514.7							
	OBS	00125	16.19	36.25	26.68		1514.7							
	OBS	00150	16.12	36.23	26.68		1514.8							
	OBS	00200	15.54	36.14	26.75		1513.8							
	OBS	00250	15.01	36.04	26.79		1512.8							
	OBS	00300	14.52	35.96	26.83		1512.0							
	OBS	00400	13.57	35.83	26.94		1510.4							
	OBS	00450	12.78	35.67	26.97		1508.3							
	OBS	00500	11.53	35.44	27.04		1504.6							
	OBS	00533	10.90	35.40	27.12		1502.9							
	OBS	00540	11.01	35.49	27.17		1503.5							
	OBS	00556	10.95	35.47	27.17		1503.5							
	OBS	00600	10.17	35.38	27.24		1501.3							
	OBS	00629	09.33	35.24	27.27		1498.6							
	OBS	00662	08.47	35.14	27.33		1495.8							
	OBS	00690	08.03	35.15	27.41		1494.6							
	OBS	00700	08.38	35.25	27.43		1496.2							
	OBS	00704	08.19	35.20	27.42		1495.5							
	OBS	00722	08.41	35.32	27.48		1496.8							
	OBS	00744	08.21	35.30	27.50		1496.4							
	OBS	00790	07.18	35.14	27.52		1492.9							
	OBS	00800	07.12	35.17	27.56		1492.9							
	OBS	00805	06.96	35.16	27.57		1492.4							
	OBS	00850	06.91	35.21	27.62		1493.0							
	OBS	00900	06.16	35.14	27.66		1490.7							
	OBS	00952	05.72	35.10	27.69		1489.8							
	OBS	00972	05.79	35.13	27.70		1490.4							
	OBS	00978	05.69	35.12	27.71		1490.1							
	OBS	01000	05.71	35.13	27.71		1490.6							
	OBS	01050	05.33	35.10	27.74		1489.8							
	OBS	01068	05.45	35.14	27.75		1490.7							
	OBS	01096	05.25	35.10	27.75		1490.3							
	OBS	01100	05.08	35.07	27.74		1489.6							
	OBS	01117	04.99	35.07	27.75		1489.5							
	OBS	01137	05.06	35.09	27.76		1490.2							
	OBS	01200	04.67	35.04	27.77		1489.6							
	OBS	01240	04.65	35.06	27.78		1490.2							
	OBS	01300	04.37	35.01	27.78		1490.0							
	OBS	01400	04.23	35.00	27.78		1491.0							
	OBS	01500	04.05	34.98	27.79		1491.9							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTOP 04389	AIR TEMP 20.0	DIP HGT PER	#IND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0067	MONTH 06	SHIP OU	WET BULB 17.0	09 6 2	#IND-SPD 08	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 17	DATA USE 1	BAROMETR 1029.9	SEA	#IND-FOR	DURATION 00.5	2 SQUARE 44
LONG 048 15 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	#FATHER X1	DEIG F42 367	1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIL3	PH
23.9	OBS	00000	21.31	36.39	25.48		1527.3							
	OBS	00010	21.05	36.37	25.54		1526.7							
	OBS	00020	19.65	36.27	25.94		1523.0							
	OBS	00030	18.28	36.23	26.16		1519.3							
	OBS	00050	17.08	36.27	26.49		1516.1							
	OBS	00075	16.61	36.28	26.61		1515.2							
	OBS	00100	16.52	36.31	26.65		1515.3							
	OBS	00125	16.40	36.29	26.66		1515.4							
	OBS	00150	16.22	36.26	26.68		1515.2							
	OBS	00200	15.77	36.17	26.72		1514.5							
	OBS	00250	15.47	36.12	26.75		1514.3							
	OBS	00300	14.78	36.00	26.81		1512.8							
	OBS	00400	13.34	35.77	26.94		1509.5							
	OBS	00500	11.72	35.53	27.07		1506.4							
	OBS	00522	11.19	35.42	27.09		1503.7							
	OBS	00600	10.01	35.31	27.21		1500.7							
	OBS	00631	09.90	35.35	27.26		1500.8							
	OBS	00661	08.99	35.21	27.30		1497.8							
	OBS	00679	08.82	35.21	27.33		1497.5							
	OBS	00690	08.92	35.24	27.38		1498.1							
	OBS	00700	08.86	35.30	27.44		1498.1							
	OBS	00715	08.76	35.27	27.39		1497.9							
	OBS	00721	08.86	35.33	27.42		1498.5							
	OBS	00750	07.92	35.17	27.44		1495.2							
	OBS	00759	07.95	35.20	27.46		1495.5							
	OBS	00790	07.28	35.15	27.52		1493.3							
	OBS	00800	07.23	35.15	27.52		1493.3							
	OBS	00840	07.03	35.18	27.58		1493.2							
	OBS	00890	06.56	35.16	27.63		1492.2							
	OBS	00900	06.60	35.19	27.64		1492.6							
	OBS	00920	06.64	35.20	27.65		1493.1							
	OBS	00980	05.91	35.11	27.67		1491.0							
	OBS	01000	05.82	35.12	27.69		1491.0							
	OBS	01020	05.62	35.08	27.68		1490.5							
	OBS	01060	05.60	35.13	27.73		1491.1							
	OBS	01100	05.19	35.08	27.74		1490.1							
	OBS	01190	04.95	35.08	27.77		1490.6							
	OBS	01200	05.16	35.14	27.79		1491.7							
	OBS	01240	05.29	35.15	27.78		1492.9							
	OBS	01300	05.05	35.13	27.79		1492.9							
	OBS	01400	04.55	35.06	27.80		1492.5							
	OBS	01430	04.42	35.04	27.79		1492.4							
	OBS	01442	04.48	35.06	27.80		1492.9							
	OBS	01500	04.14	35.01	27.80		1492.4							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04572	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1206
CONSEC 0068	MONTH 06	SHIP OU	WET BULB 16.8	02 1 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 18	DATA USE 1	BAROMETR 1029.3	SEA	WIND-FOR	DURATION 09.4	2 SQUARE 46
LONG 047 58 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 068	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	20.97	36.41	25.59		1526.4							
	OBS	00010	20.96	36.42	25.60		1526.5							
	OBS	00020	20.96	36.42	25.60		1526.7							
	OBS	00030	20.83	36.38	25.61		1526.5							
	OBS	00050	18.28	36.23	26.16		1519.6							
	OBS	00075	16.56	36.26	26.60		1515.0							
	OBS	00100	16.41	36.26	26.64		1514.9							
	OBS	00125	16.27	36.26	26.67		1514.9							
	OBS	00150	16.18	36.24	26.68		1515.0							
	OBS	00200	15.51	36.13	26.75		1515.7							
	OBS	00220	15.53	36.14	26.75		1514.1							
	OBS	00250	15.29	36.07	26.75		1513.7							
	OBS	00300	14.78	35.99	26.80		1512.8							
	OBS	00400	13.45	35.78	26.92		1509.9							
	OBS	00500	11.93	35.51	27.02		1506.1							
	OBS	00520	11.31	35.37	27.03		1504.1							
	OBS	00525	11.37	35.49	27.11		1504.5							
	OBS	00540	11.19	35.44	27.10		1504.1							
	OBS	00552	11.18	35.47	27.13		1504.3							
	OBS	00600	09.78	35.27	27.22		1499.8							
	OBS	00670	08.33	35.15	27.36		1495.4							
	OBS	00680	08.27	35.14	27.36		1495.3							
	OBS	00685	08.33	35.19	27.39		1495.7							
	OBS	00700	08.25	35.20	27.41		1495.6							
	OBS	00730	08.09	35.23	27.46		1495.6							
	OBS	00760	07.53	35.16	27.49		1493.8							
	OBS	00800	07.05	35.15	27.55		1492.6							
	OBS	00820	07.02	35.18	27.58		1492.9							
	OBS	00850	06.83	35.18	27.60		1492.6							
	OBS	00870	06.45	35.14	27.62		1491.4							
	OBS	00900	06.13	35.13	27.66		1490.6							
	OBS	00950	05.80	35.11	27.69		1490.1							
	OBS	01000	05.30	35.06	27.71		1488.9							
	OBS	01010	05.23	35.08	27.73		1488.7							
	OBS	01030	05.44	35.12	27.74		1490.0							
	OBS	01060	05.15	35.08	27.74		1489.3							
	OBS	01070	05.22	35.10	27.75		1489.7							
	OBS	01100	04.82	35.03	27.74		1488.5							
	OBS	01135	04.60	34.99	27.73		1488.1							
	OBS	01150	04.65	35.01	27.74		1488.6							
	OBS	01200	04.55	35.00	27.75		1489.0							
	OBS	01300	04.38	35.00	27.77		1490.0							
	OBS	01330	04.22	34.97	27.76		1489.8							
	OBS	01400	04.15	34.99	27.78		1490.7							
	OBS	01450	04.11	34.98	27.78		1491.4							
	OBS	01500	03.95	34.96	27.78		1491.5							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 02743 AIR TEMP 20.2 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206
CONSEC 0069 MONTH 06 SHIP OU WET BULB 16.8 05 2 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 18 DATA USE 1 BAROMETR 1030.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 05 W HOUR 11.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 069 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.4	OBS	00000	21.11	36.39	25.54		1526.7							
	OBS	00010	21.10	36.39	25.54		1526.9							
	OBS	00020	20.53	36.31	25.64		1525.4							
	OBS	00030	19.13	36.29	25.99		1521.7							
	OBS	00050	17.40	36.28	26.42		1517.1							
	OBS	00075	16.59	36.26	26.60		1515.1							
	OBS	00100	16.42	36.26	26.64		1515.0							
	OBS	00125	16.34	36.26	26.65		1515.1							
	OBS	00150	16.08	36.23	26.69		1514.7							
	OBS	00200	15.69	36.17	26.74		1514.3							
	OBS	00250	15.26	36.08	26.76		1513.6							
	OBS	00300	14.60	35.99	26.84		1512.3							
	OBS	00400	13.53	35.78	26.91		1510.2							
	OBS	00500	11.93	35.54	27.04		1506.1							
	OBS	00600	10.06	35.33	27.22		1500.9							
	OBS	00650	09.47	35.31	27.30		1499.5							
	OBS	00660	09.40	35.29	27.30		1499.4							
	OBS	00670	09.00	35.21	27.30		1498.0							
	OBS	00683	09.05	35.29	27.36		1498.5							
	OBS	00700	08.80	35.23	27.35		1497.8							
	OBS	00725	08.01	35.13	27.39		1495.1							
	OBS	00735	08.38	35.23	27.42		1496.8							
	OBS	00760	07.53	35.12	27.46		1493.8							
	OBS	00780	07.60	35.19	27.50		1494.5							
	OBS	00800	07.21	35.11	27.50		1493.2							
	OBS	00830	07.06	35.18	27.57		1493.2							
	OBS	00860	06.80	35.16	27.59		1492.6							
	OBS	00873	06.48	35.10	27.59		1491.5							
	OBS	00900	06.42	35.17	27.65		1491.8							
	OBS	00915	06.48	35.22	27.68		1492.4							
	OBS	01000	05.70	35.11	27.70		1490.5							
	OBS	01100	05.05	35.07	27.75		1489.5							
	OBS	01135	04.90	35.05	27.75		1489.4							
	OBS	01200	05.21	35.14	27.78		1491.9							
	OBS	01230	04.95	35.09	27.77		1491.3							
	OBS	01255	04.89	35.08	27.77		1491.4							
	OBS	01290	05.02	35.13	27.80		1492.6							
	OBS	01300	04.99	35.12	27.79		1492.7							
	OBS	01340	04.63	35.06	27.79		1491.8							
	OBS	01365	04.68	35.08	27.80		1492.4							
	OBS	01400	04.58	35.06	27.79		1492.6							
	OBS	01500	04.21	35.02	27.80		1492.7							

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REFID 31 8177 YEAR 1970 BOTDP 04480 AIR TEMP 22.6 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0070 MONTH 06 SHIP OU WET BULB 19.0 06 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 18 DATA USE 1 BAROMETR 1029.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 16 W HOUR 19.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 070 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
19.2	OBS	00000	21.49	36.41	25.45		1527.7							
	OBS	00010	20.94	36.39	25.59		1526.4							
	OBS	00020	19.73	36.27	25.82		1523.2							
	OBS	00030	18.88	36.27	26.04		1521.0							
	OBS	00050	16.94	36.29	26.54		1515.7							
	OBS	00075	16.51	36.27	26.62		1514.8							
	OBS	00100	16.44	36.28	26.65		1515.1							
	OBS	00125	16.21	36.25	26.68		1514.7							
	OBS	00150	16.03	36.21	26.69		1514.3							
	OBS	00200	15.55	36.12	26.73		1513.9							
	OBS	00250	14.96	36.00	26.77		1512.6							
	OBS	00300	14.53	35.95	26.82		1512.0							
	OBS	00372	13.95	35.90	26.91		1511.2							
	OBS	00400	13.46	35.77	26.91		1509.9							
	OBS	00420	13.26	35.76	26.95		1509.6							
	OBS	00452	12.65	35.62	26.96		1507.9							
	OBS	00462	12.62	35.65	26.99		1508.0							
	OBS	00500	11.80	35.50	27.03		1505.6							
	OBS	00600	09.78	35.27	27.22		1499.8							
	OBS	00620	09.84	35.33	27.26		1500.4							
	OBS	00650	08.93	35.19	27.30		1497.4							
	OBS	00668	08.76	35.22	27.35		1497.1							
	OBS	00700	08.90	35.33	27.41		1498.3							
	OBS	00730	08.60	35.30	27.44		1497.6							
	OBS	00760	07.87	35.20	27.47		1495.2							
	OBS	00789	07.67	35.20	27.50		1494.9							
	OBS	00800	07.42	35.20	27.54		1494.1							
	OBS	00815	07.20	35.17	27.54		1493.5							
	OBS	00860	06.97	35.21	27.61		1493.4							
	OBS	00900	06.43	35.13	27.62		1491.8							
	OBS	00922	06.57	35.24	27.69		1492.9							
	OBS	01000	06.12	35.18	27.70		1492.3							
	OBS	01058	05.43	35.10	27.72		1490.4							
	OBS	01100	05.21	35.08	27.73		1490.2							
	OBS	01200	04.93	35.09	27.78		1490.7							
	OBS	01233	04.96	35.10	27.78		1491.4							
	OBS	01300	04.51	35.03	27.78		1490.6							
	OBS	01332	04.46	35.03	27.78		1490.9							
	OBS	01345	04.63	35.08	27.80		1491.9							
	OBS	01400	04.51	35.05	27.79		1492.3							
	OBS	01423	04.61	35.08	27.80		1493.1							
	OBS	01496	04.41	35.05	27.80		1493.5							
	OBS	01500	04.23	35.05	27.82		1492.8							

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TABLE XXI.—Continued

[illegible] ID	31 8177	YEAR 1970	BGTDP 02743	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC	0071	MONTH 06	SHIP OU	WET BULB 17.9	08 2 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT	35 01 N	DAY 16	DATA USE 1	BAROMETR 1030.2	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG	048 09 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 071	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	21.42	36.40	25.46		1527.6							
	OBS	00010	21.26	36.39	25.50		1527.3							
	OBS	00020	20.98	36.31	25.51		1526.6							
	OBS	00030	18.90	36.28	26.04		1521.1							
	OBS	00050	17.08	36.31	26.52		1516.2							
	OBS	00075	16.70	36.33	26.62		1515.5							
	OBS	00100	16.40	36.28	26.66		1514.9							
	OBS	00125	16.18	36.25	26.68		1514.6							
	OBS	00150	16.05	36.23	26.70		1514.6							
	OBS	00200	15.63	36.16	26.74		1514.1							
	OBS	00250	15.02	36.03	26.78		1512.8							
	OBS	00300	14.47	35.96	26.85		1511.8							
	OBS	00400	13.33	35.78	26.95		1509.5							
	OBS	00500	11.78	35.51	27.05		1505.6							
	OBS	00600	10.09	35.35	27.23		1501.0							
	OBS	00633	09.55	35.29	27.27		1499.5							
	OBS	00644	09.61	35.32	27.29		1500.0							
	OBS	00700	08.38	35.20	27.35		1496.1							
	OBS	00711	08.36	35.20	27.40		1496.2							
	OBS	00730	07.86	35.17	27.45		1494.6							
	OBS	00740	08.24	35.28	27.48		1496.4							
	OBS	00780	07.35	35.16	27.52		1493.5							
	OBS	00789	07.40	35.19	27.53		1493.8							
	OBS	00800	07.26	35.18	27.54		1493.5							
	OBS	00841	06.74	35.16	27.60		1492.1							
	OBS	00860	06.78	35.22	27.64		1492.6							
	OBS	00900	06.57	35.21	27.66		1492.5							
	OBS	01000	05.61	35.12	27.72		1490.2							
	OBS	01032	05.58	35.13	27.73		1490.6							
	OBS	01100	05.13	35.08	27.74		1489.8							
	OBS	01118	05.26	35.12	27.76		1490.7							
	OBS	01123	05.16	35.10	27.76		1490.4							
	OBS	01158	05.12	35.11	27.77		1490.8							
	OBS	01181	04.79	35.06	27.77		1489.8							
	OBS	01200	04.94	35.09	27.77		1490.7							
	OBS	01210	04.95	35.10	27.78		1491.0							
	OBS	01219	04.78	35.07	27.78		1490.4							
	OBS	01240	04.85	35.09	27.79		1491.0							
	OBS	01250	04.75	35.07	27.78		1490.8							
	OBS	01265	04.90	35.11	27.80		1491.7							
	OBS	01278	04.69	35.07	27.79		1491.0							
	OBS	01290	04.88	35.11	27.80		1492.0							
	OBS	01300	04.84	35.11	27.80		1492.0							
	OBS	01400	04.53	35.06	27.80		1492.4							
	OBS	01500	04.14	35.01	27.80		1492.4							

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TABLE XXI.—Continued

REFID	31 8177	YEAR	1970	BOTDP	03201	AIR TEMP	20.4	DIR HGT PER		WIND-DIR	10	INST STD RECORDER		TEN SQ	1206
CONSEC	0072	MONTH	06	SHIP	OU	WET BULB	18.0	05 1 2		WIND-SPD	09	TRACE DIR	D	5 SQUARE	4
LAT	35 02 N	DAY	19	DATA USE	1	BAROMETR	1028.9	SEA		WIND-FOR		DURATION	00.5	2 SQUARE	48
LONG	048 02 W	HOUR	06.2	AREA	05	CLOUD T/A		CL/TR		WEATHER	X1	ORIG E42 072		1 SQUARE	58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	21.27	36.40	25.50		1527.2							
	OBS	00010	21.25	36.40	25.51		1527.3							
	OBS	00020	21.25	36.40	25.51		1527.4							
	OBS	00030	19.38	36.21	25.67		1522.3							
	OBS	00050	16.98	36.23	26.48		1515.8							
	OBS	00075	16.61	36.28	26.61		1515.2							
	OBS	00080	16.71	36.32	26.61		1515.6							
	OBS	00100	16.45	36.28	26.64		1515.1							
	OBS	00125	16.26	36.25	26.67		1514.9							
	OBS	00150	16.15	36.24	26.68		1514.9							
	OBS	00200	15.77	36.18	26.72		1514.5							
	OBS	00250	15.50	36.13	26.75		1514.4							
	OBS	00300	14.78	36.01	26.82		1512.9							
	OBS	00372	13.68	35.83	26.91		1510.3							
	OBS	00393	13.67	35.84	26.92		1510.6							
	OBS	00400	13.59	35.83	26.93		1510.4							
	OBS	00500	12.08	35.56	27.03		1506.7							
	OBS	00540	11.08	35.43	27.11		1503.7							
	OBS	00563	10.79	35.38	27.13		1503.0							
	OBS	00573	10.85	35.44	27.16		1503.4							
	OBS	00600	10.35	35.38	27.21		1502.0							
	OBS	00640	09.81	35.33	27.26		1500.6							
	OBS	00700	08.33	35.17	27.38		1495.9							
	OBS	00705	08.40	35.21	27.40		1496.3							
	OBS	00710	08.26	35.18	27.40		1495.8							
	OBS	00715	08.44	35.27	27.44		1496.7							
	OBS	00720	08.15	35.20	27.43		1495.6							
	OBS	00738	08.41	35.30	27.47		1497.0							
	OBS	00745	08.05	35.23	27.47		1495.7							
	OBS	00750	08.30	35.32	27.50		1496.8							
	OBS	00770	08.13	35.29	27.50		1496.5							
	OBS	00800	07.39	35.18	27.53		1494.0							
	OBS	00840	06.89	35.16	27.58		1492.7							
	OBS	00855	07.11	35.23	27.60		1493.9							
	OBS	00900	06.45	35.15	27.63		1491.9							
	OBS	00910	06.03	35.08	27.63		1490.3							
	OBS	00930	06.02	35.12	27.67		1490.7							
	OBS	01000	05.53	35.07	27.69		1489.8							
	OBS	01020	05.35	35.08	27.72		1489.4							
	OBS	01040	05.40	35.10	27.73		1490.0							
	OBS	01050	05.30	35.08	27.72		1489.7							
	OBS	01080	05.34	35.11	27.74		1490.4							
	OBS	01090	05.18	35.10	27.75		1489.9							
	OBS	01100	05.16	35.10	27.76		1490.0							
	OBS	01140	05.06	35.08	27.75		1490.2							
	OBS	01180	04.67	35.04	27.77		1489.2							
	OBS	01200	04.71	35.04	27.76		1489.7							
	OBS	01205	04.53	35.02	27.77		1489.0							
	OBS	01210	04.66	35.05	27.78		1489.7							
	OBS	01300	04.37	35.02	27.78		1490.0							
	OBS	01322	04.24	35.00	27.78		1489.8							
	OBS	01400	04.16	34.99	27.78		1490.7							
	OBS	01500	04.09	35.00	27.80		1492.1							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 03383	AIR TEMP 20.8	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0073	MONTH 06	SHIP OU	WET BULB 18.1	07 2 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 19	DATA USE 1	BAROMETR 1029.7	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 04 W	HOUR 11.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 073	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.2	OBS	00000	21.24	36.41	25.52		1527.1							
	OBS	00010	21.22	36.41	25.52		1527.2							
	OBS	00020	20.03	36.27	25.74		1524.0							
	OBS	00030	18.78	36.25	26.05		1520.7							
	OBS	00050	16.85	36.25	26.53		1515.4							
	OBS	00075	16.48	36.26	26.62		1514.7							
	OBS	00100	16.33	36.25	26.65		1514.7							
	OBS	00125	16.20	36.24	26.67		1514.7							
	OBS	00150	16.06	36.21	26.68		1514.6							
	OBS	00200	15.63	36.15	26.73		1514.1							
	OBS	00250	15.18	36.03	26.74		1513.3							
	OBS	00300	14.31	35.92	26.85		1511.2							
	OBS	00335	14.15	35.91	26.88		1511.3							
	OBS	00400	13.28	35.77	26.95		1509.3							
	OBS	00442	12.86	35.71	26.99		1508.5							
	OBS	00500	11.78	35.49	27.03		1505.5							
	OBS	00530	10.90	35.39	27.12		1502.8							
	OBS	00555	10.78	35.43	27.17		1502.9							
	OBS	00600	09.80	35.32	27.26		1499.9							
	OBS	00620	09.68	35.33	27.28		1499.8							
	OBS	00690	08.00	35.15	27.41		1494.5							
	OBS	00700	08.08	35.19	27.43		1495.0							
	OBS	00715	08.30	35.27	27.46		1496.2							
	OBS	00740	08.30	35.29	27.48		1496.6							
	OBS	00800	07.18	35.18	27.56		1493.2							
	OBS	00830	06.95	35.17	27.58		1492.7							
	OBS	00855	07.10	35.24	27.61		1493.8							
	OBS	00900	06.03	35.11	27.66		1490.2							
	OBS	00910	05.95	35.11	27.67		1490.0							
	OBS	00920	06.03	35.14	27.68		1490.6							
	OBS	00965	05.79	35.12	27.70		1490.3							
	OBS	00995	05.44	35.09	27.72		1489.4							
	OBS	01000	05.50	35.11	27.72		1489.7							
	OBS	01030	05.27	35.10	27.74		1489.3							
	OBS	01050	05.40	35.11	27.74		1490.1							
	OBS	01100	05.17	35.09	27.75		1490.0							
	OBS	01130	04.85	35.04	27.75		1489.1							
	OBS	01165	04.91	35.07	27.76		1490.0							
	OBS	01200	04.62	35.02	27.76		1489.3							
	OBS	01300	04.41	35.02	27.78		1490.1							
	OBS	01400	04.28	35.01	27.79		1491.3							
	OBS	01420	04.17	34.99	27.78		1491.1							
	OBS	01500	04.08	34.98	27.78		1492.1							

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TABLE XXI.—Continued

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04389 AIR TEMP 21.0 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0075 MONTH 06 SHIP OU WET BULB 18.0 06 0 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 20 DATA USE 1 BAROMETR 1029.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 05 W HOUR 00.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 075 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.6	OBS	00000	21.44	36.44	25.49		1527.7							
	OBS	00010	21.27	36.41	25.51		1527.3							
	OBS	00020	20.77	36.36	25.61		1526.1							
	OBS	00030	18.77	36.30	26.09		1520.7							
	OBS	00050	17.02	36.29	26.52		1516.0							
	OBS	00075	16.59	36.27	26.60		1515.1							
	OBS	00100	16.48	36.28	26.64		1515.2							
	OBS	00125	16.30	36.27	26.67		1515.0							
	OBS	00150	16.21	36.25	26.68		1515.1							
	OBS	00200	15.67	36.14	26.72		1514.2							
	OBS	00250	14.91	36.03	26.80		1512.5							
	OBS	00282	14.40	35.92	26.83		1511.2							
	OBS	00300	14.36	35.93	26.85		1511.4							
	OBS	00400	13.27	35.77	26.95		1509.3							
	OBS	00440	12.78	35.70	27.00		1508.2							
	OBS	00500	11.32	35.43	27.07		1503.9							
	OBS	00515	11.15	35.43	27.10		1503.5							
	OBS	00525	11.19	35.50	27.15		1503.9							
	OBS	00578	10.32	35.38	27.21		1501.5							
	OBS	00600	09.73	35.28	27.24		1499.6							
	OBS	00650	08.57	35.19	27.35		1496.0							
	OBS	00668	08.36	35.16	27.36		1495.5							
	OBS	00678	08.40	35.19	27.38		1495.8							
	OBS	00700	08.21	35.21	27.43		1495.5							
	OBS	00713	08.26	35.25	27.45		1496.0							
	OBS	00755	07.78	35.21	27.49		1494.8							
	OBS	00760	07.49	35.16	27.50		1493.7							
	OBS	00800	07.07	35.17	27.56		1492.7							
	OBS	00831	07.03	35.21	27.60		1493.1							
	OBS	00900	06.38	35.20	27.68		1491.7							
	OBS	00970	05.70	35.11	27.70		1490.0							
	OBS	00981	05.40	35.07	27.70		1488.9							
	OBS	01000	05.29	35.08	27.73		1488.8							
	OBS	01060	04.98	35.05	27.74		1488.5							
	OBS	01100	04.95	35.07	27.76		1489.1							
	OBS	01107	04.82	35.04	27.75		1488.6							
	OBS	01118	04.92	35.07	27.76		1489.3							
	OBS	01143	04.66	35.03	27.76		1488.6							
	OBS	01160	04.73	35.05	27.77		1489.2							
	OBS	01200	04.60	35.03	27.77		1489.3							
	OBS	01270	04.26	34.98	27.76		1489.0							
	OBS	01300	04.29	35.00	27.78		1489.6							
	OBS	01400	04.10	34.98	27.78		1490.5							
	OBS	01500	04.00	34.98	27.79		1491.7							

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REFID 31 8177 YEAR 1970 BOTDP 02789 AIR TEMP 20.9 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0076 MONTH 06 SHIP OU WET BULB 19.1 06 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 20 DATA USE 1 BAROMETR 1029.1 SEA 3 WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 11 W HOUR 06.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 076 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.5	OBS	00000	21.33	36.43	25.51		1527.4							
	OBS	00010	21.17	36.42	25.55		1527.1							
	OBS	00020	20.81	36.38	25.61		1526.3							
	OBS	00030	19.27	36.29	25.95		1522.1							
	OBS	00050	17.08	36.25	26.47		1516.1							
	OBS	00075	16.69	36.28	26.59		1515.4							
	OBS	00100	16.62	36.31	26.63		1515.6							
	OBS	00125	16.43	36.29	26.66		1515.4							
	OBS	00150	16.34	36.27	26.66		1515.6							
	OBS	00200	15.90	36.18	26.70		1514.9							
	OBS	00250	15.22	36.05	26.75		1513.5							
	OBS	00300	14.64	35.96	26.81		1512.3							
	OBS	00320	14.14	35.89	26.86		1511.0							
	OBS	00340	14.10	35.90	26.88		1511.2							
	OBS	00390	13.77	35.82	26.89		1510.8							
	OBS	00400	13.44	35.76	26.91		1509.8							
	OBS	00500	11.78	35.52	27.05		1505.6							
	OBS	00600	10.09	35.31	27.20		1501.0							
	OBS	00700	08.62	35.16	27.32		1497.0							
	OBS	00710	08.51	35.16	27.34		1496.7							
	OBS	00715	08.65	35.26	27.40		1497.5							
	OBS	00740	07.82	35.10	27.40		1494.5							
	OBS	00780	07.82	35.17	27.45		1495.3							
	OBS	00800	07.54	35.17	27.50		1494.5							
	OBS	00840	07.02	35.15	27.55		1493.2							
	OBS	00880	06.78	35.15	27.59		1492.9							
	OBS	00900	06.27	35.10	27.62		1491.1							
	OBS	00940	06.44	35.19	27.67		1492.6							
	OBS	01000	05.73	35.10	27.69		1490.6							
	OBS	01100	05.29	35.08	27.73		1490.5							
	OBS	01200	04.80	35.03	27.74		1490.1							
	OBS	01240	04.65	35.02	27.75		1490.1							
	OBS	01270	04.71	35.05	27.77		1490.9							
	OBS	01290	04.60	35.03	27.77		1490.8							
	OBS	01300	04.70	35.05	27.77		1491.4							
	OBS	01345	04.86	35.09	27.78		1492.8							
	OBS	01380	04.84	35.09	27.79		1493.3							
	OBS	01400	04.75	35.07	27.78		1493.3							
	OBS	01500	04.24	35.01	27.79		1492.8							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 03840 AIR TEMP 21.7 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0077 MONTH 06 SHIP OU WET BULB 19.0 09 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 20 DATA USE 1 BAROMETR 1029.9 SEA 3 WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 048 03 W HOUR 11.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 077 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.4	OBS	00000	21.35	36.43	25.50		1527.4							
	OBS	00010	21.33	36.42	25.50		1527.5							
	OBS	00020	21.25	36.39	25.50		1527.4							
	OBS	00030	19.07	36.27	25.99		1521.5							
	OBS	00050	16.98	36.25	26.50		1515.8							
	OBS	00075	16.52	36.25	26.60		1514.8							
	OBS	00100	16.35	36.23	26.63		1514.7							
	OBS	00106	16.25	36.21	26.64		1514.5							
	OBS	00125	16.24	36.24	26.66		1514.8							
	OBS	00135	16.24	36.23	26.65		1515.0							
	OBS	00150	16.06	36.19	26.67		1514.6							
	OBS	00200	15.39	36.09	26.74		1513.2							
	OBS	00233	14.93	35.99	26.77		1512.2							
	OBS	00250	14.87	36.00	26.79		1512.3							
	OBS	00300	14.56	35.97	26.83		1512.1							
	OBS	00400	13.32	35.76	26.93		1509.4							
	OBS	00500	11.61	35.45	27.03		1504.9							
	OBS	00523	11.23	35.40	27.06		1503.9							
	OBS	00530	11.32	35.49	27.12		1504.4							
	OBS	00600	10.19	35.36	27.22		1501.4							
	OBS	00685	08.24	35.12	27.35		1495.3							
	OBS	00700	08.25	35.21	27.42		1495.7							
	OBS	00740	08.15	35.25	27.47		1496.0							
	OBS	00790	07.32	35.16	27.52		1493.5							
	OBS	00800	07.24	35.17	27.54		1493.4							
	OBS	00830	06.98	35.16	27.57		1492.9							
	OBS	00845	07.07	35.21	27.59		1493.5							
	OBS	00850	06.99	35.20	27.60		1493.3							
	OBS	00860	07.05	35.22	27.61		1493.7							
	OBS	00900	06.32	35.13	27.63		1491.4							
	OBS	01000	05.42	35.06	27.69		1489.3							
	OBS	01100	04.92	35.03	27.73		1488.9							
	OBS	01140	04.90	35.05	27.75		1489.5							
	OBS	01200	04.55	35.00	27.75		1489.0							
	OBS	01290	04.34	34.98	27.76		1489.6							
	OBS	01300	04.40	35.00	27.76		1490.1							
	OBS	01360	04.14	34.97	27.77		1490.0							
	OBS	01400	04.11	34.96	27.76		1490.5							
	OBS	01500	04.01	34.96	27.77		1491.8							

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REFID 31 8177 YEAR 1970 BOTDP 04389 AIR TEMP 23.0 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0078 MONTH 06 SHIP OU WET BULB 21.0 07 1 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 20 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 04 W HOUR 19.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 078 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.2	OBS	00000	21.78	36.43	25.38		1528.5							
	OBS	00010	21.25	36.41	25.52		1527.3							
	OBS	00020	19.82	36.29	25.81		1523.5							
	OBS	00030	18.77	36.26	26.06		1520.7							
	OBS	00050	17.47	36.26	26.38		1517.3							
	OBS	00075	16.64	36.27	26.59		1515.2							
	OBS	00100	16.48	36.26	26.62		1515.1							
	OBS	00125	16.41	36.26	26.64		1515.3							
	OBS	00150	16.30	36.25	26.66		1515.4							
	OBS	00200	16.16	36.23	26.67		1515.8							
	OBS	00250	15.50	36.11	26.73		1514.4							
	OBS	00300	15.01	36.03	26.78		1513.6							
	OBS	00400	13.62	35.82	26.92		1510.5							
	OBS	00474	12.67	35.65	26.98		1508.3							
	OBS	00500	11.97	35.52	27.02		1506.2							
	OBS	00549	10.95	35.38	27.10		1503.3							
	OBS	00557	11.13	35.48	27.14		1504.2							
	OBS	00600	10.25	35.34	27.19		1501.6							
	OBS	00682	08.40	35.14	27.34		1495.8							
	OBS	00700	08.35	35.19	27.39		1496.0							
	OBS	00729	08.20	35.23	27.44		1496.0							
	OBS	00734	07.97	35.18	27.44		1495.1							
	OBS	00749	07.90	35.18	27.45		1495.1							
	OBS	00800	07.11	35.16	27.55		1492.9							
	OBS	00820	07.04	35.19	27.58		1493.0							
	OBS	00829	07.14	35.24	27.61		1493.6							
	OBS	00900	05.93	35.08	27.65		1489.7							
	OBS	00943	05.77	35.08	27.67		1489.8							
	OBS	00952	05.96	35.17	27.71		1490.9							
	OBS	01000	05.56	35.11	27.72		1490.0							
	OBS	01028	05.28	35.06	27.71		1489.2							
	OBS	01041	05.32	35.08	27.72		1489.6							
	OBS	01100	05.04	35.06	27.74		1489.4							
	OBS	01200	04.56	35.01	27.75		1489.1							
	OBS	01300	04.20	34.97	27.76		1489.2							
	OBS	01400	04.14	34.97	27.77		1490.6							
	OBS	01500	04.03	34.97	27.78		1491.8							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 03475	AIR TEMP 21.3	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0079	MONTH 06	SHIP OU	WET BULB 20.2	08 0 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 20	DATA USE 1	BAROMETR 1030.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 10 W	HOUR 23.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 079	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.4	OBS	00000	21.74	36.38	25.36		1528.4							
	OBS	00010	21.46	36.38	25.44		1527.8							
	OBS	00020	19.62	36.24	25.83		1522.9							
	OBS	00030	18.27	36.22	26.16		1519.2							
	OBS	00050	17.02	36.24	26.48		1515.9							
	OBS	00075	16.75	36.30	26.59		1515.6							
	OBS	00100	16.52	36.27	26.62		1515.3							
	OBS	00125	16.30	36.24	26.65		1515.0							
	OBS	00150	16.15	36.22	26.67		1514.9							
	OBS	00200	15.53	36.11	26.73		1513.7							
	OBS	00250	14.92	36.00	26.78		1512.5							
	OBS	00300	14.49	35.94	26.83		1511.8							
	OBS	00400	13.27	35.76	26.94		1509.3							
	OBS	00440	12.27	35.57	27.00		1506.3							
	OBS	00500	11.72	35.50	27.05		1505.3							
	OBS	00520	11.53	35.47	27.06		1505.0							
	OBS	00600	10.08	35.33	27.21		1501.0							
	OBS	00610	10.04	35.31	27.21		1500.9							
	OBS	00630	09.41	35.24	27.26		1498.9							
	OBS	00649	09.39	35.29	27.30		1499.2							
	OBS	00660	09.08	35.24	27.31		1498.2							
	OBS	00668	09.10	35.27	27.33		1498.4							
	OBS	00700	08.49	35.20	27.38		1496.6							
	OBS	00715	07.96	35.13	27.40		1494.7							
	OBS	00730	08.40	35.25	27.43		1496.8							
	OBS	00749	07.69	35.14	27.45		1494.2							
	OBS	00753	08.01	35.26	27.50		1495.7							
	OBS	00800	07.52	35.19	27.51		1494.5							
	OBS	00840	07.15	35.17	27.55		1493.7							
	OBS	00870	07.20	35.23	27.59		1494.5							
	OBS	00900	06.64	35.14	27.60		1492.7							
	OBS	00983	05.54	35.05	27.67		1489.5							
	OBS	00991	05.64	35.09	27.69		1490.1							
	OBS	01000	05.52	35.07	27.69		1489.7							
	OBS	01057	05.45	35.08	27.71		1490.4							
	OBS	01081	05.66	35.16	27.74		1491.8							
	OBS	01100	05.39	35.11	27.74		1490.9							
	OBS	01110	05.42	35.12	27.74		1491.2							
	OBS	01126	05.14	35.07	27.74		1490.3							
	OBS	01145	05.27	35.11	27.75		1491.2							
	OBS	01160	05.07	35.07	27.74		1490.6							
	OBS	01185	04.96	35.06	27.75		1490.5							
	OBS	01200	05.12	35.12	27.78		1491.5							
	OBS	01205	05.19	35.12	27.77		1491.9							
	OBS	01239	05.04	35.09	27.76		1491.8							
	OBS	01242	05.11	35.12	27.78		1492.2							
	OBS	01255	04.86	35.07	27.77		1491.3							
	OBS	01275	04.90	35.08	27.77		1491.8							
	OBS	01300	04.76	35.06	27.77		1491.6							
	OBS	01330	04.41	35.00	27.76		1490.6							
	OBS	01400	04.26	34.98	27.76		1491.1							
	OBS	01500	04.12	34.98	27.78		1492.2							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04389	AIR TEMP 21.0	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0080	MONTH 06	SHIP OU	WET BULB 19.8	08 1 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 21	DATA USE 1	BAROMETR 1029.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 14 W	HOUR 07.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 080	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.5	OBS	00000	21.53	35.43	24.69		1526.7							
	OBS	00010	21.35	36.42	25.50		1527.6							
	OBS	00020	20.94	36.39	25.59		1526.6							
	OBS	00030	19.42	36.22	25.86		1522.5							
	OBS	00050	17.29	36.27	26.44		1516.8							
	OBS	00075	16.69	36.32	26.62		1515.4							
	OBS	00100	16.60	36.30	26.62		1515.6							
	OBS	00125	16.44	36.29	26.65		1515.5							
	OBS	00150	16.31	36.26	26.66		1515.5							
	OBS	00200	15.84	36.17	26.70		1514.7							
	OBS	00250	15.27	36.08	26.76		1513.7							
	OBS	00300	14.67	36.00	26.83		1512.5							
	OBS	00400	13.27	35.76	26.94		1509.3							
	OBS	00500	11.67	35.49	27.05		1505.1							
	OBS	00530	11.25	35.43	27.08		1504.1							
	OBS	00545	11.21	35.46	27.11		1504.2							
	OBS	00600	09.85	35.30	27.23		1500.1							
	OBS	00645	09.07	35.26	27.33		1497.9							
	OBS	00657	09.04	35.27	27.34		1498.0							
	OBS	00663	09.14	35.30	27.35		1498.5							
	OBS	00677	08.84	35.24	27.35		1497.5							
	OBS	00682	08.89	35.30	27.39		1497.9							
	OBS	00700	08.77	35.29	27.40		1497.7							
	OBS	00725	07.91	35.14	27.42		1494.7							
	OBS	00735	08.08	35.21	27.45		1495.6							
	OBS	00755	07.57	35.12	27.45		1493.8							
	OBS	00775	07.57	35.17	27.49		1494.2							
	OBS	00790	07.19	35.09	27.48		1492.9							
	OBS	00800	07.27	35.17	27.53		1493.5							
	OBS	00870	06.51	35.14	27.62		1491.6							
	OBS	00884	06.67	35.20	27.64		1492.6							
	OBS	00900	06.38	35.14	27.63		1491.6							
	OBS	00940	05.79	35.10	27.68		1489.9							
	OBS	01000	05.77	35.14	27.71		1490.8							
	OBS	01020	05.46	35.10	27.72		1489.9							
	OBS	01050	05.34	35.10	27.74		1489.9							
	OBS	01075	05.39	35.11	27.74		1490.5							
	OBS	01100	05.24	35.10	27.75		1490.3							
	OBS	01135	05.08	35.08	27.75		1490.2							
	OBS	01150	05.40	35.17	27.78		1491.9							
	OBS	01165	05.19	35.13	27.76		1491.2							
	OBS	01200	05.19	35.14	27.78		1491.8							
	OBS	01210	05.07	35.11	27.78		1491.5							
	OBS	01240	05.11	35.13	27.79		1492.2							
	OBS	01300	04.82	35.09	27.79		1491.9							
	OBS	01330	04.64	35.06	27.79		1491.6							
	OBS	01370	04.62	35.07	27.80		1492.2							
	OBS	01400	04.44	35.04	27.79		1492.0							
	OBS	01500	04.17	35.01	27.80		1492.5							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04206 AIR TEMP 22.4 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0081 MONTH 06 SHIP OU WET BULB 20.0 08 0 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 21 DATA USE 1 BAROMETR 1030.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 59 W HOUR 12.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 081 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	21.57	36.43	25.44		1528.0							
	OBS	00010	21.24	36.40	25.51		1527.2							
	OBS	00020	19.56	36.21	25.82		1522.7							
	OBS	00030	18.39	36.27	26.16		1519.6							
	OBS	00050	16.99	36.23	26.48		1515.8							
	OBS	00075	16.53	36.27	26.62		1514.9							
	OBS	00100	16.44	36.26	26.63		1515.0							
	OBS	00125	16.37	36.26	26.65		1515.2							
	OBS	00150	16.23	36.25	26.67		1515.2							
	OBS	00200	15.50	36.12	26.74		1513.6							
	OBS	00250	14.73	35.98	26.80		1511.8							
	OBS	00300	14.23	35.93	26.87		1511.0							
	OBS	00400	13.39	35.79	26.94		1509.7							
	OBS	00490	11.53	35.46	27.05		1504.5							
	OBS	00500	11.55	35.53	27.10		1504.8							
	OBS	00600	09.63	35.26	27.24		1499.2							
	OBS	00640	09.14	35.26	27.32		1498.1							
	OBS	00675	08.34	35.16	27.37		1495.5							
	OBS	00700	08.34	35.25	27.44		1496.1							
	OBS	00705	08.39	35.26	27.44		1496.3							
	OBS	00760	07.61	35.19	27.50		1494.2							
	OBS	00800	07.16	35.16	27.54		1493.1							
	OBS	00840	07.12	35.22	27.60		1493.6							
	OBS	00872	06.53	35.12	27.60		1491.7							
	OBS	00875	06.63	35.21	27.66		1492.3							
	OBS	00885	06.58	35.21	27.66		1492.3							
	OBS	00900	06.34	35.19	27.68		1491.5							
	OBS	00908	06.34	35.19	27.68		1491.7							
	OBS	00920	06.03	35.14	27.68		1490.6							
	OBS	01000	05.52	35.11	27.72		1489.8							
	OBS	01080	04.99	35.07	27.75		1488.9							
	OBS	01100	04.80	35.04	27.75		1488.4							
	OBS	01120	04.71	35.03	27.75		1488.4							
	OBS	01130	04.80	35.06	27.77		1489.0							
	OBS	01200	04.52	35.02	27.77		1488.9							
	OBS	01280	04.20	34.98	27.77		1488.9							
	OBS	01300	04.23	35.00	27.78		1489.4							
	OBS	01400	04.05	34.99	27.79		1490.3							
	OBS	01500	04.00	34.99	27.80		1491.8							

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REFID 31 8177 YEAR 1970 BOTDP 04206 AIR TEMP 22.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0082 MONTH 06 SHIP OU WET BULB 20.5 08 0 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 21 DATA USE 1 BAROMETR 1031.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 082 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	22.03	36.42	25.31		1529.1							
	OBS	00009	22.13	36.46	25.31		1529.6							
	OBS	00010	21.96	36.36	25.28		1529.1							
	OBS	00020	20.01	36.33	25.79		1524.0							
	OBS	00030	18.26	36.36	26.27		1519.4							
	OBS	00050	17.42	36.38	26.49		1517.3							
	OBS	00075	16.84	36.33	26.59		1515.9							
	OBS	00100	16.58	36.32	26.64		1515.5							
	OBS	00125	16.45	36.30	26.66		1515.5							
	OBS	00150	16.23	36.27	26.69		1515.2							
	OBS	00200	15.80	36.19	26.73		1514.6							
	OBS	00250	15.16	36.04	26.76		1513.3							
	OBS	00300	14.70	35.96	26.80		1512.5							
	OBS	00400	13.51	35.79	26.92		1510.1							
	OBS	00470	12.61	35.66	27.00		1508.1							
	OBS	00500	11.89	35.53	27.04		1506.0							
	OBS	00545	10.85	35.38	27.12		1502.9							
	OBS	00549	10.95	35.47	27.17		1503.4							
	OBS	00600	10.23	35.36	27.21		1501.5							
	OBS	00660	09.48	35.33	27.32		1499.8							
	OBS	00700	08.71	35.20	27.34		1497.4							
	OBS	00720	08.06	35.16	27.41		1495.2							
	OBS	00730	08.04	35.19	27.44		1495.3							
	OBS	00750	08.31	35.29	27.47		1496.8							
	OBS	00759	08.19	35.26	27.47		1496.5							
	OBS	00762	08.26	35.34	27.52		1496.9							
	OBS	00800	07.66	35.25	27.54		1495.1							
	OBS	00825	07.04	35.18	27.58		1493.0							
	OBS	00875	06.88	35.21	27.62		1493.3							
	OBS	00900	06.61	35.18	27.63		1492.6							
	OBS	00942	06.00	35.13	27.68		1490.8							
	OBS	01000	05.84	35.14	27.70		1491.1							
	OBS	01100	05.30	35.10	27.74		1490.6							
	OBS	01200	04.87	35.07	27.77		1490.4							
	OBS	01283	04.76	35.08	27.79		1491.4							
	OBS	01291	04.84	35.10	27.79		1491.9							
	OBS	01300	04.68	35.07	27.79		1491.3							
	OBS	01350	04.81	35.10	27.80		1492.7							
	OBS	01400	04.46	35.04	27.79		1492.1							
	OBS	01500	04.15	35.01	27.80		1492.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 01682 AIR TEMP 21. DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0083 MONTH 06 SHIP OU WET BULB 20. 09 1 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 12 N DAY 21 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 03 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 083 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	22.16	35.46	24.54		1528.4							
	OBS	00010	21.49	36.41	25.45		1527.9							
	OBS	00020	21.14	36.39	25.53		1527.1							
	OBS	00030	20.87	36.40	25.61		1526.6							
	OBS	00050	18.06	36.31	26.28		1519.1							
	OBS	00075	17.11	36.34	26.53		1516.7							
	OBS	00100	16.63	36.29	26.61		1515.6							
	OBS	00125	16.22	36.23	26.66		1514.7							
	OBS	00150	15.89	36.17	26.69		1514.1							
	OBS	00200	15.35	36.10	26.76		1513.1							
	OBS	00250	14.85	36.01	26.80		1512.3							
	OBS	00300	14.37	35.93	26.84		1511.4							
	OBS	00400	13.13	35.73	26.95		1508.8							
	OBS	00440	12.84	35.68	26.97		1508.4							
	OBS	00460	12.30	35.60	27.01		1506.8							
	OBS	00500	11.71	35.50	27.05		1505.3							
	OBS	00600	10.03	35.31	27.21		1500.7							
	OBS	00670	09.50	35.32	27.31		1500.0							
	OBS	00700	08.84	35.24	27.35		1497.9							
	OBS	00715	08.84	35.27	27.37		1498.2							
	OBS	00730	08.98	35.32	27.39		1499.0							
	OBS	00745	08.72	35.27	27.39		1498.3							
	OBS	00780	08.56	35.31	27.45		1498.3							
	OBS	00800	07.92	35.19	27.46		1496.0							
	OBS	00810	07.60	35.19	27.50		1495.0							
	OBS	00836	07.19	35.16	27.54		1493.8							
	OBS	00900	06.74	35.19	27.62		1493.1							
	OBS	01000	05.85	35.15	27.71		1491.2							
	OBS	01020	05.79	35.15	27.72		1491.3							
	OBS	01070	05.34	35.11	27.74		1490.2							
	OBS	01100	05.23	35.09	27.74		1490.3							
	OBS	01145	04.89	35.05	27.75		1489.6							
	OBS	01200	04.71	35.04	27.76		1489.7							
	OBS	01300	04.44	35.03	27.78		1490.3							
	OBS	01400	04.17	35.01	27.80		1490.8							
	OBS	01500	04.04	35.00	27.80		1491.9							

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REFID 31 8177 YEAR 1970 BOTDP 04664 AIR TEMP 21.4 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0084 MONTH 06 SHIP OU WET BULB 20.2 09 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 52 N DAY 22 DATA USE 1 BAROMETR 1029.2 SEA 2 WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 10 W HOUR 06.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 084 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.9	OBS	00000	21.94	36.40	25.32		1528.9							
	OBS	00010	21.39	36.40	25.47		1527.6							
	OBS	00020	20.17	36.27	25.70		1524.4							
	OBS	00030	19.12	36.30	26.00		1521.7							
	OBS	00050	17.07	36.28	26.50		1516.1							
	OBS	00075	16.54	36.27	26.62		1514.9							
	OBS	00100	16.48	36.29	26.64		1515.2							
	OBS	00125	16.27	36.25	26.66		1514.9							
	OBS	00150	16.03	36.21	26.69		1514.5							
	OBS	00200	15.67	36.15	26.72		1514.2							
	OBS	00250	15.24	36.08	26.77		1513.6							
	OBS	00300	14.60	35.98	26.83		1512.2							
	OBS	00400	13.53	35.81	26.93		1510.2							
	OBS	00500	11.91	35.52	27.03		1506.0							
	OBS	00550	10.67	35.37	27.14		1502.3							
	OBS	00600	10.09	35.37	27.24		1501.0							
	OBS	00610	09.62	35.29	27.26		1499.4							
	OBS	00680	08.25	35.15	27.37		1495.3							
	OBS	00700	08.24	35.21	27.42		1495.6							
	OBS	00730	08.13	35.24	27.46		1495.7							
	OBS	00755	07.51	35.15	27.48		1493.7							
	OBS	00770	07.61	35.23	27.53		1494.4							
	OBS	00785	07.36	35.18	27.53		1493.6							
	OBS	00790	07.54	35.25	27.56		1494.5							
	OBS	00800	07.47	35.24	27.56		1494.4							
	OBS	00840	07.21	35.22	27.58		1494.0							
	OBS	00870	06.62	35.11	27.58		1492.0							
	OBS	00900	06.09	35.10	27.64		1490.4							
	OBS	00915	05.90	35.08	27.65		1489.9							
	OBS	00925	06.01	35.15	27.69		1490.6							
	OBS	00941	05.92	35.13	27.69		1490.5							
	OBS	00947	05.95	35.15	27.70		1490.7							
	OBS	01000	05.49	35.09	27.71		1489.6							
	OBS	01010	05.37	35.07	27.71		1489.3							
	OBS	01100	05.06	35.07	27.74		1489.5							
	OBS	01190	04.55	35.01	27.76		1488.9							
	OBS	01200	04.57	35.02	27.76		1489.1							
	OBS	01230	04.52	35.01	27.76		1489.4							
	OBS	01250	04.38	34.99	27.76		1489.1							
	OBS	01300	04.31	35.00	27.77		1489.7							
	OBS	01355	04.17	34.99	27.78		1490.0							
	OBS	01360	04.23	35.00	27.78		1490.4							
	OBS	01400	04.12	34.98	27.78		1490.6							
	OBS	01450	03.99	34.97	27.78		1490.8							
	OBS	01500	03.96	34.98	27.80		1491.6							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 01463 AIR TEMP 22.3 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0085 MONTH 06 SHIP OU WET BULB 20.9 15 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
LAT 35 09 N DAY 22 DATA USE 1 BAROMETR 1029.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 06 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 085 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	22.10	36.43	25.29		1529.3							
	OBS	00010	21.51	36.45	25.47		1528.0							
	OBS	00020	20.31	36.32	25.70		1524.8							
	OBS	00030	18.63	36.30	26.13		1520.3							
	OBS	00050	17.06	36.32	26.53		1516.1							
	OBS	00075	16.73	36.33	26.62		1515.6							
	OBS	00100	16.51	36.28	26.63		1515.3							
	OBS	00125	16.28	36.25	26.66		1514.9							
	OBS	00150	16.06	36.21	26.68		1514.6							
	OBS	00200	15.56	36.13	26.73		1513.8							
	OBS	00250	15.03	36.02	26.77		1512.8							
	OBS	00300	14.40	35.92	26.83		1511.5							
	OBS	00400	13.26	35.75	26.94		1509.2							
	OBS	00500	12.13	35.60	27.05		1506.9							
	OBS	00515	12.09	35.60	27.06		1507.0							
	OBS	00600	10.43	35.36	27.18		1502.3							
	OBS	00640	09.96	35.35	27.25		1501.2							
	OBS	00700	08.38	35.16	27.36		1496.1							
	OBS	00720	08.35	35.19	27.39		1496.3							
	OBS	00740	07.56	35.12	27.45		1493.6							
	OBS	00755	07.54	35.17	27.50		1493.8							
	OBS	00765	07.23	35.17	27.54		1492.8							
	OBS	00790	07.20	35.17	27.54		1493.1							
	OBS	00800	06.99	35.16	27.57		1492.4							
	OBS	00825	06.72	35.15	27.60		1491.7							
	OBS	00855	06.82	35.19	27.61		1492.7							
	OBS	00880	06.56	35.17	27.63		1492.0							
	OBS	00890	06.58	35.18	27.64		1492.3							
	OBS	00900	06.33	35.16	27.66		1491.5							
	OBS	00930	06.21	35.13	27.65		1491.4							
	OBS	00940	06.07	35.12	27.66		1491.0							
	OBS	00975	06.11	35.17	27.69		1491.8							
	OBS	01000	05.79	35.11	27.69		1490.9							
	OBS	01015	05.63	35.14	27.73		1490.5							
	OBS	01055	05.67	35.14	27.73		1491.4							
	OBS	01070	05.45	35.10	27.72		1490.7							
	OBS	01100	05.29	35.10	27.74		1490.5							
	OBS	01150	05.14	35.11	27.77		1490.8							
	OBS	01170	04.84	35.06	27.76		1489.8							
	OBS	01200	04.75	35.05	27.77		1489.9							
	OBS	01290	04.38	35.01	27.77		1489.8							
	OBS	01300	04.40	35.02	27.78		1490.1							
	OBS	01400	04.19	35.00	27.79		1490.9							

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REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 23.3 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0086 MONTH 06 SHIP OU WET BULB 21.7 20 0 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
LAT 35 00 N DAY 22 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 086 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	22.71	36.45	25.14		1530.9							
	OBS	00010	21.80	36.41	25.36		1528.7							
	OBS	00020	21.31	36.36	25.46		1527.5							
	OBS	00030	19.91	36.26	25.76		1523.9							
	OBS	00050	18.01	36.18	26.19		1518.8							
	OBS	00075	16.74	36.27	26.57		1515.5							
	OBS	00100	16.56	36.27	26.61		1515.4							
	OBS	00125	16.44	36.26	26.63		1515.4							
	OBS	00150	16.36	36.26	26.65		1515.6							
	OBS	00200	15.86	36.16	26.69		1514.8							
	OBS	00250	15.16	36.03	26.75		1513.3							
	OBS	00300	14.61	35.96	26.81		1512.2							
	OBS	00400	13.35	35.75	26.92		1509.5							
	OBS	00440	13.01	35.70	26.95		1509.0							
	OBS	00500	12.05	35.55	27.02		1506.5							
	OBS	00570	10.66	35.34	27.12		1502.6							
	OBS	00600	10.26	35.31	27.17		1501.6							
	OBS	00659	08.80	35.19	27.32		1497.0							
	OBS	00689	08.58	35.22	27.38		1496.7							
	OBS	00700	08.19	35.17	27.40		1495.4							
	OBS	00709	08.25	35.21	27.42		1495.8							
	OBS	00720	08.01	35.19	27.44		1495.1							
	OBS	00726	08.05	35.22	27.46		1495.3							
	OBS	00753	07.51	35.14	27.48		1493.6							
	OBS	00800	07.22	35.17	27.54		1493.3							
	OBS	00865	06.76	35.15	27.59		1492.6							
	OBS	00874	06.47	35.12	27.61		1491.5							
	OBS	00900	06.08	35.09	27.63		1490.4							
	OBS	00939	05.91	35.12	27.68		1490.4							
	OBS	00964	06.03	35.15	27.69		1491.3							
	OBS	00979	05.75	35.10	27.68		1490.4							
	OBS	00992	05.99	35.18	27.72		1491.7							
	OBS	01000	05.92	35.16	27.71		1491.5							
	OBS	01100	05.16	35.08	27.74		1490.0							
	OBS	01200	04.57	35.01	27.75		1489.1							
	OBS	01300	04.41	35.01	27.77		1490.1							
	OBS	01400	04.29	35.00	27.78		1491.3							
	OBS	01500	04.16	34.99	27.78		1492.4							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04206	AIR TEMP 22.4	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0087	MONTH 06	SHIP OU	WET BULB 21.7	20 0 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 23	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 48
LONG 048 01 W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 087	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	22.40	36.43	25.21		1530.1							
	OBS	00010	21.56	36.37	25.40		1528.0							
	OBS	00020	20.38	36.34	25.70		1525.1							
	OBS	00030	19.16	36.26	25.96		1521.8							
	OBS	00050	17.71	36.39	26.43		1518.1							
	OBS	00075	17.21	36.36	26.52		1517.0							
	OBS	00100	16.85	36.33	26.59		1516.3							
	OBS	00125	16.54	36.27	26.62		1515.8							
	OBS	00150	16.31	36.25	26.65		1515.4							
	OBS	00200	15.74	36.16	26.72		1514.4							
	OBS	00240	15.35	36.06	26.73		1513.7							
	OBS	00250	15.05	36.04	26.78		1512.9							
	OBS	00275	14.78	35.96	26.78		1512.4							
	OBS	00290	14.36	35.90	26.82		1511.2							
	OBS	00300	14.32	35.90	26.83		1511.2							
	OBS	00400	13.45	35.78	26.92		1509.9							
	OBS	00440	12.96	35.68	26.95		1508.8							
	OBS	00500	11.51	35.47	27.07		1504.6							
	OBS	00540	11.10	35.48	27.15		1503.8							
	OBS	00555	10.85	35.44	27.16		1503.1							
	OBS	00570	10.88	35.46	27.17		1503.5							
	OBS	00600	10.37	35.39	27.21		1502.1							
	OBS	00619	09.63	35.32	27.28		1499.6							
	OBS	00622	09.68	35.34	27.29		1499.9							
	OBS	00634	09.58	35.32	27.29		1499.7							
	OBS	00640	09.22	35.25	27.30		1498.4							
	OBS	00655	09.11	35.25	27.32		1498.2							
	OBS	00663	09.23	35.31	27.34		1498.9							
	OBS	00674	08.86	35.23	27.34		1497.6							
	OBS	00690	08.71	35.24	27.37		1497.3							
	OBS	00700	08.28	35.16	27.38		1495.7							
	OBS	00704	08.12	35.18	27.42		1495.2							
	OBS	00713	08.11	35.18	27.42		1495.3							
	OBS	00731	08.23	35.26	27.46		1496.2							
	OBS	00748	07.95	35.23	27.48		1495.3							
	OBS	00751	08.03	35.27	27.50		1495.7							
	OBS	00785	07.21	35.18	27.55		1493.0							
	OBS	00800	07.11	35.17	27.56		1492.9							
	OBS	00867	06.66	35.18	27.63		1492.2							
	OBS	00871	06.46	35.15	27.63		1491.5							
	OBS	00900	06.01	35.11	27.66		1490.1							
	OBS	00920	05.93	35.11	27.67		1490.1							
	OBS	00934	06.00	35.14	27.68		1490.7							
	OBS	01000	05.41	35.08	27.71		1489.3							
	OBS	01100	05.11	35.08	27.75		1489.8							
	OBS	01200	04.94	35.08	27.77		1490.7							
	OBS	01270	04.63	35.04	27.77		1490.6							
	OBS	01289	04.67	35.06	27.78		1491.1							
	OBS	01300	04.84	35.09	27.79		1492.0							
	OBS	01380	04.61	35.05	27.78		1492.3							
	OBS	01400	04.39	35.02	27.78		1491.7							
	OBS	01439	04.35	35.01	27.78		1492.2							
	OBS	01450	04.21	34.99	27.78		1491.8							
	OBS	01500	04.18	34.99	27.78		1492.5							

TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 02460 AIR TEMP 22.2 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0088 MONTH 06 SHIP OU WET BULB 21.4 18 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 23 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 00 W HOUR 06.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 088 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.4	OBS	00000	22.32	36.43	25.23		1529.9							
	OBS	00010	21.81	36.39	25.35		1528.7							
	OBS	00020	20.44	36.21	25.58		1525.1							
	OBS	00030	18.81	36.31	26.09		1520.9							
	OBS	00050	17.59	36.30	26.39		1517.7							
	OBS	00075	16.99	36.28	26.52		1516.3							
	OBS	00100	16.67	36.28	26.59		1515.7							
	OBS	00125	16.47	36.26	26.62		1515.5							
	OBS	00140	16.48	36.27	26.63		1515.8							
	OBS	00150	16.41	36.27	26.65		1515.8							
	OBS	00200	16.09	36.21	26.67		1515.5							
	OBS	00250	15.59	36.11	26.71		1514.7							
	OBS	00300	15.01	36.01	26.77		1513.5							
	OBS	00400	13.52	35.78	26.91		1510.1							
	OBS	00440	13.10	35.70	26.93		1509.3							
	OBS	00500	12.08	35.56	27.03		1506.7							
	OBS	00535	11.25	35.43	27.08		1505.2							
	OBS	00542	11.31	35.48	27.11		1504.6							
	OBS	00560	11.16	35.47	27.13		1504.3							
	OBS	00600	10.32	35.36	27.20		1501.9							
	OBS	00660	09.61	35.31	27.28		1500.2							
	OBS	00700	08.55	35.18	27.35		1496.8							
	OBS	00720	08.21	35.16	27.39		1495.8							
	OBS	00732	08.51	35.28	27.43		1497.3							
	OBS	00780	07.65	35.19	27.50		1494.7							
	OBS	00800	07.30	35.17	27.53		1493.6							
	OBS	00870	06.70	35.15	27.60		1492.4							
	OBS	00890	06.69	35.19	27.63		1492.7							
	OBS	00900	06.61	35.18	27.63		1492.6							
	OBS	00920	06.28	35.13	27.64		1491.5							
	OBS	00940	06.22	35.14	27.66		1491.7							
	OBS	01000	05.68	35.10	27.69		1490.4							
	OBS	01060	05.33	35.07	27.71		1490.0							
	OBS	01100	05.23	35.06	27.74		1490.3							
	OBS	01200	04.85	35.05	27.75		1490.3							
	OBS	01300	04.41	35.01	27.77		1490.1							
	OBS	01400	04.31	35.00	27.77		1491.4							
	OBS	01440	04.27	35.00	27.78		1491.9							
	OBS	01455	04.34	35.02	27.79		1492.5							
	OBS	01500	04.22	35.00	27.78		1492.7							

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REFID 31 8177 YEAR 1970 BOTDP 03840 AIR TEMP 22.7 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0089 MONTH 06 SHIP OU WET BULB 21.2 28 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 23 DATA USE 1 BAROMETR 1029.1 SEA 4 WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 089 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	22.20	36.43	25.27		1529.6							
	OBS	00010	21.95	36.39	25.31		1529.1							
	OBS	00020	21.10	36.41	25.56		1527.1							
	OBS	00030	19.00	36.36	26.08		1521.5							
	OBS	00050	17.89	36.39	26.38		1518.7							
	OBS	00075	17.32	36.38	26.51		1517.4							
	OBS	00100	16.90	36.34	26.58		1516.5							
	OBS	00125	16.60	36.30	26.62		1516.0							
	OBS	00150	16.48	36.28	26.64		1516.0							
	OBS	00200	16.30	36.26	26.66		1516.2							
	OBS	00250	15.88	36.17	26.69		1515.7							
	OBS	00300	15.26	36.04	26.73		1514.4							
	OBS	00350	14.15	35.87	26.84		1511.5							
	OBS	00400	13.58	35.80	26.91		1510.4							
	OBS	00500	12.14	35.59	27.04		1506.9							
	OBS	00600	10.22	35.33	27.19		1501.5							
	OBS	00700	08.50	35.19	27.37		1496.6							
	OBS	00725	08.35	35.21	27.41		1496.5							
	OBS	00740	07.99	35.17	27.43		1495.3							
	OBS	00800	08.07	35.23	27.46		1496.7							
	OBS	00810	07.65	35.20	27.50		1495.2							
	OBS	00840	07.40	35.16	27.51		1494.7							
	OBS	00870	06.70	35.14	27.59		1492.4							
	OBS	00900	06.47	35.14	27.62		1492.0							
	OBS	00920	05.96	35.11	27.67		1490.2							
	OBS	00960	05.85	35.11	27.68		1490.5							
	OBS	01000	05.42	35.06	27.69		1489.3							
	OBS	01020	05.56	35.11	27.72		1490.3							
	OBS	01100	05.26	35.09	27.74		1490.4							
	OBS	01160	05.04	35.08	27.76		1490.5							
	OBS	01200	05.10	35.09	27.76		1491.4							
	OBS	01229	05.07	35.10	27.77		1491.8							
	OBS	01231	04.98	35.09	27.77		1491.4							
	OBS	01300	04.81	35.06	27.77		1491.8							
	OBS	01400	04.53	35.04	27.78		1492.3							
	OBS	01500	04.30	35.02	27.79		1493.0							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 01737 AIR TEMP 23.3 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0090 MONTH 06 SHIP OU WET BULB 21.4 32 2 3 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 23 DATA USE 1 BAROMETR 1028.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 07 W HOUR 19.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 090 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.8	OBS	00000	23.15	36.43	24.99		1532.0							
	OBS	00010	22.29	36.43	25.24		1530.0							
	OBS	00020	20.99	36.22	25.44		1526.5							
	OBS	00030	19.58	36.28	25.87		1523.0							
	OBS	00050	18.24	36.31	26.23		1519.6							
	OBS	00075	16.84	36.28	26.55		1515.8							
	OBS	00100	16.59	36.27	26.60		1515.5							
	OBS	00125	16.56	36.29	26.63		1515.8							
	OBS	00150	16.40	36.27	26.65		1515.7							
	OBS	00200	16.12	36.23	26.68		1515.7							
	OBS	00250	15.59	36.12	26.72		1514.7							
	OBS	00300	14.77	35.98	26.80		1512.8							
	OBS	00340	14.22	35.89	26.85		1511.6							
	OBS	00400	13.61	35.78	26.89		1510.4							
	OBS	00404	13.52	35.78	26.91		1510.2							
	OBS	00445	13.33	35.78	26.95		1510.2							
	OBS	00500	12.27	35.53	26.97		1507.3							
	OBS	00520	11.56	35.47	27.06		1505.1							
	OBS	00531	11.48	35.48	27.08		1505.0							
	OBS	00539	10.99	35.40	27.11		1503.3							
	OBS	00541	11.06	35.44	27.13		1503.6							
	OBS	00580	10.44	35.37	27.18		1502.0							
	OBS	00590	10.43	35.37	27.18		1502.1							
	OBS	00600	10.18	35.34	27.21		1501.3							
	OBS	00645	09.36	35.29	27.31		1499.0							
	OBS	00685	08.30	35.17	27.38		1495.5							
	OBS	00700	08.37	35.20	27.39		1496.1							
	OBS	00743	08.20	35.24	27.45		1496.2							
	OBS	00800	07.21	35.17	27.54		1493.3							
	OBS	00861	07.06	35.23	27.61		1493.8							
	OBS	00900	06.18	35.11	27.64		1490.8							
	OBS	00928	05.85	35.10	27.67		1489.9							
	OBS	00948	05.85	35.12	27.69		1490.3							
	OBS	00952	05.95	35.15	27.70		1490.8							
	OBS	00970	05.65	35.10	27.70		1489.8							
	OBS	00995	05.56	35.10	27.71		1489.9							
	OBS	01000	05.39	35.07	27.71		1489.2							
	OBS	01040	05.36	35.07	27.71		1489.8							
	OBS	01075	05.09	35.06	27.73		1489.2							
	OBS	01100	05.15	35.08	27.74		1489.9							
	OBS	01121	05.15	35.08	27.74		1490.3							
	OBS	01140	04.89	35.04	27.74		1489.5							
	OBS	01200	04.68	35.03	27.76		1489.6							
	OBS	01300	04.36	34.99	27.76		1489.9							
	OBS	01400	04.22	34.99	27.78		1491.0							
	OBS	01500	04.16	34.99	27.78		1492.4							

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REFID 31 8177 YEAR 1970 BOTDP 04606 AIR TEMP 22.7 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0091 MONTH 06 SHIP OU WET BULB 21.3 00 0 X WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 23 DATA USE 1 BAROMETR 1029.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 59 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E42 091 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	23.05	36.45	25.04		1531.8							
	OBS	00010	21.06	36.35	25.52		1526.7							
	OBS	00020	19.70	36.32	25.87		1523.2							
	OBS	00030	18.25	36.26	26.19		1519.2							
	OBS	00050	17.29	36.30	26.46		1516.8							
	OBS	00075	16.77	36.32	26.60		1515.7							
	OBS	00100	16.66	36.30	26.61		1515.7							
	OBS	00125	16.44	36.28	26.65		1515.5							
	OBS	00150	16.27	36.25	26.66		1515.3							
	OBS	00200	15.71	36.15	26.72		1514.3							
	OBS	00250	15.31	36.08	26.75		1513.8							
	OBS	00300	14.77	35.98	26.80		1512.8							
	OBS	00400	13.60	35.79	26.90		1510.4							
	OBS	00500	11.65	35.46	27.03		1505.0							
	OBS	00600	09.93	35.31	27.22		1500.4							
	OBS	00630	09.17	35.22	27.28		1498.0							
	OBS	00700	08.40	35.13	27.33		1496.1							
	OBS	00711	08.06	35.13	27.39		1495.0							
	OBS	00725	08.09	35.20	27.44		1495.5							
	OBS	00758	07.50	35.16	27.49		1493.7							
	OBS	00800	07.20	35.17	27.54		1493.2							
	OBS	00834	06.85	35.17	27.59		1492.4							
	OBS	00883	06.82	35.20	27.62		1493.2							
	OBS	00893	06.58	35.15	27.62		1492.3							
	OBS	00900	06.61	35.18	27.63		1492.6							
	OBS	00955	06.37	35.21	27.65		1492.6							
	OBS	00970	05.85	35.12	27.69		1490.6							
	OBS	01000	05.75	35.12	27.70		1490.7							
	OBS	01026	05.82	35.16	27.72		1491.5							
	OBS	01090	05.39	35.10	27.73		1490.8							
	OBS	01100	05.21	35.08	27.73		1490.2							
	OBS	01200	04.73	35.03	27.75		1489.8							
	OBS	01300	04.47	35.02	27.77		1490.4							
	OBS	01327	04.36	35.01	27.77		1490.5							
	OBS	01340	04.23	34.99	27.78		1490.0							
	OBS	01400	04.17	34.98	27.77		1490.8							
	OBS	01500	04.00	34.97	27.78		1491.7							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04755 AIR TEMP 22.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0092 MONTH 06 SHIP OU WET BULB 20.2 15 1 2 WIND-SPD 11 TRACE DIR D 5 SQUARE 2
LAT 34 51 N DAY 24 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION CO.5 2 SQUARE 48
LONG 048 00 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 092 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.3	OBS	00000	22.89	36.40	25.05		1531.3							
	OBS	00010	21.64	36.36	25.37		1526.2							
	OBS	00020	20.59	36.33	25.64		1525.6							
	OBS	00030	19.34	36.29	25.94		1522.3							
	OBS	00050	17.34	36.25	26.41		1516.9							
	OBS	00075	16.71	36.29	26.59		1515.5							
	OBS	00100	16.49	36.28	26.63		1515.2							
	OBS	00125	16.40	36.27	26.65		1515.3							
	OBS	00150	16.20	36.24	26.67		1515.1							
	OBS	00200	15.77	36.15	26.70		1514.5							
	OBS	00250	15.37	36.10	26.75		1514.0							
	OBS	00300	14.72	35.97	26.80		1512.6							
	OBS	00400	13.68	35.81	26.90		1510.7							
	OBS	00500	12.13	35.54	27.00		1506.8							
	OBS	00600	10.11	35.34	27.22		1501.1							
	OBS	00605	09.97	35.30	27.21		1500.6							
	OBS	00615	10.10	35.37	27.24		1501.3							
	OBS	00650	08.84	35.17	27.30		1497.0							
	OBS	00666	08.73	35.19	27.33		1496.9							
	OBS	00671	08.52	35.15	27.33		1496.1							
	OBS	00700	08.30	35.18	27.39		1495.8							
	OBS	00710	08.22	35.17	27.36		1495.7							
	OBS	00725	08.34	35.26	27.45		1496.5							
	OBS	00760	07.41	35.10	27.46		1493.3							
	OBS	00768	07.61	35.24	27.54		1494.4							
	OBS	00800	07.39	35.22	27.56		1494.0							
	OBS	00821	07.30	35.24	27.59		1494.1							
	OBS	00850	06.75	35.19	27.62		1492.3							
	OBS	00900	06.39	35.20	27.68		1491.7							
	OBS	00930	06.29	35.18	27.68		1491.8							
	OBS	00965	05.84	35.14	27.70		1490.5							
	OBS	00980	05.91	35.17	27.72		1491.1							
	OBS	01000	05.66	35.12	27.71		1490.4							
	OBS	01010	05.79	35.17	27.73		1491.1							
	OBS	01100	05.09	35.07	27.74		1489.7							
	OBS	01200	04.72	35.04	27.76		1489.8							
	OBS	01240	04.47	35.00	27.76		1489.4							
	OBS	01272	04.49	35.01	27.76		1490.0							
	OBS	01300	04.27	34.99	27.77		1489.5							
	OBS	01400	04.11	34.98	27.78		1490.5							
	OBS	01440	04.07	34.98	27.78		1491.0							
	OBS	01460	04.20	35.00	27.79		1491.9							
	OBS	01500	04.12	35.00	27.79		1492.3							

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REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 23.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0093 MONTH 06 SHIP OU WET BULB 19.8 17 2 3 WIND-SPD 02 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 24 DATA USE 1 BAROMETR 1030.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 58 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 093 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	22.68	36.44	25.14		1530.8							
	OBS	00010	21.94	36.37	25.29		1529.0							
	OBS	00020	20.59	36.33	25.64		1525.6							
	OBS	00030	19.44	36.31	25.93		1522.6							
	OBS	00050	17.69	36.30	26.36		1518.0							
	OBS	00075	16.85	36.30	26.56		1515.9							
	OBS	00100	16.59	36.30	26.63		1515.5							
	OBS	00125	16.41	36.28	26.65		1515.4							
	OBS	00150	16.19	36.25	26.68		1515.1							
	OBS	00200	15.54	36.13	26.74		1513.7							
	OBS	00250	14.94	36.02	26.79		1512.6							
	OBS	00300	14.18	35.90	26.86		1510.8							
	OBS	00400	13.32	35.78	26.95		1509.5							
	OBS	00420	13.27	35.78	26.96		1509.6							
	OBS	00500	12.00	35.56	27.04		1506.4							
	OBS	00600	10.42	35.37	27.19		1502.2							
	OBS	00700	08.59	35.22	27.38		1497.0							
	OBS	00720	08.30	35.22	27.42		1496.2							
	OBS	00750	08.14	35.23	27.45		1496.1							
	OBS	00800	07.34	35.17	27.52		1493.8							
	OBS	00850	07.01	35.17	27.57		1493.3							
	OBS	00900	06.34	35.13	27.63		1491.4							
	OBS	00910	06.54	35.19	27.65		1492.5							
	OBS	00915	06.37	35.16	27.65		1491.9							
	OBS	00940	06.54	35.22	27.68		1493.0							
	OBS	00970	05.93	35.11	27.67		1491.0							
	OBS	00980	06.17	35.18	27.69		1492.2							
	OBS	01000	05.90	35.14	27.70		1491.4							
	OBS	01006	05.82	35.12	27.69		1491.1							
	OBS	01070	05.76	35.15	27.72		1492.0							
	OBS	01100	05.22	35.08	27.73		1490.2							
	OBS	01200	04.70	35.03	27.75		1489.7							
	OBS	01250	04.44	35.01	27.77		1489.4							
	OBS	01300	04.36	35.00	27.77		1489.9							
	OBS	01400	04.26	35.00	27.78		1491.2							
	OBS	01500	04.14	34.99	27.78		1492.3							

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TABLE XXI.—Continued

REFID 31 9177	YEAR 1970	BOTDP 04297	AIR TEMP 23.2	DIP HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0094	MONTH 06	SHIP OU	WET BULB 19.4	14 2 3	WIND-SPD 08	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 24	DATA USE 1	BAROMETR 1029.0	SEA	WIND-FCR	DURATION 00.6	2 SQUARE 46
LONG 047 55 W	HOUR 19.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 094	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.3	OBS	00000	23.28	36.48	24.99		1532.4							
	OBS	00010	22.37	36.43	25.22		1530.2							
	OBS	00020	21.10	36.22	25.41		1526.8							
	OBS	00030	19.47	36.33	25.93		1522.7							
	OBS	00050	17.85	36.31	26.33		1518.4							
	OBS	00075	16.90	36.31	26.56		1516.1							
	OBS	00100	16.62	36.28	26.60		1515.6							
	OBS	00125	16.38	36.27	26.65		1515.3							
	OBS	00150	16.22	36.23	26.66		1515.1							
	OBS	00200	15.85	36.17	26.70		1514.8							
	OBS	00250	15.40	36.09	26.74		1514.1							
	OBS	00300	14.89	36.01	26.79		1513.2							
	OBS	00353	14.26	35.89	26.84		1511.9							
	OBS	00400	13.62	35.81	26.91		1510.5							
	OBS	00500	12.47	35.62	27.00		1508.1							
	OBS	00530	12.20	35.56	27.00		1507.6							
	OBS	00537	11.92	35.52	27.03		1506.7							
	OBS	00554	11.80	35.52	27.05		1506.5							
	OBS	00600	10.61	35.40	27.18		1502.9							
	OBS	00620	10.62	35.41	27.18		1503.3							
	OBS	00640	10.45	35.40	27.20		1503.0							
	OBS	00670	09.90	35.34	27.25		1501.5							
	OBS	00680	09.20	35.25	27.30		1498.9							
	OBS	00700	08.75	35.19	27.33		1497.5							
	OBS	00729	08.17	35.17	27.40		1495.8							
	OBS	00755	08.30	35.27	27.46		1496.8							
	OBS	00789	07.44	35.19	27.53		1494.0							
	OBS	00800	07.44	35.18	27.52		1494.2							
	OBS	00817	07.11	35.16	27.55		1493.1							
	OBS	00850	06.94	35.20	27.61		1493.1							
	OBS	00860	07.02	35.24	27.63		1493.6							
	OBS	00900	06.48	35.17	27.64		1492.1							
	OBS	00924	06.29	35.15	27.65		1491.7							
	OBS	00934	06.40	35.19	27.67		1492.3							
	OBS	00990	05.50	35.07	27.69		1489.5							
	OBS	01000	05.50	35.08	27.70		1489.7							
	OBS	01057	05.30	35.07	27.72		1489.8							
	OBS	01090	04.96	35.04	27.73		1488.9							
	OBS	01100	05.03	35.06	27.74		1489.4							
	OBS	01120	05.12	35.08	27.75		1490.1							
	OBS	01160	04.79	35.03	27.74		1489.4							
	OBS	01200	04.81	35.05	27.76		1490.2							
	OBS	01300	04.56	35.01	27.75		1490.7							
	OBS	01385	04.40	35.01	27.77		1491.5							
	OBS	01400	04.50	35.03	27.78		1492.2							
	OBS	01500	04.17	34.99	27.78		1492.5							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04389 AIR TEMP 22.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0095 MONTH 06 SHIP OU WET BULB 21.4 14 2 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 24 DATA USE 1 BAROMETR 1030.5 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 00 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 095 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.7	OBS	00000	23.36	36.44	24.94		1532.5							
	OBS	00010	22.05	36.44	25.32		1529.4							
	OBS	00020	21.00	36.38	25.56		1526.8							
	OBS	00030	20.35	36.33	25.70		1525.1							
	OBS	00050	17.87	36.32	26.33		1518.5							
	OBS	00075	16.85	36.30	26.56		1515.9							
	OBS	00100	16.60	36.30	26.62		1515.6							
	OBS	00125	16.47	36.29	26.65		1515.6							
	OBS	00150	16.24	36.26	26.68		1515.2							
	OBS	00200	15.63	36.14	26.73		1514.0							
	OBS	00250	15.15	36.06	26.77		1513.3							
	OBS	00300	14.40	35.92	26.83		1511.5							
	OBS	00400	13.49	35.80	26.93		1510.1							
	OBS	00442	13.05	35.73	26.97		1509.2							
	OBS	00500	11.92	35.52	27.03		1506.1							
	OBS	00510	11.75	35.52	27.06		1505.6							
	OBS	00515	11.77	35.53	27.06		1505.8							
	OBS	00556	10.91	35.40	27.12		1503.3							
	OBS	00600	10.36	35.38	27.20		1502.0							
	OBS	00620	09.50	35.24	27.24		1499.0							
	OBS	00650	08.83	35.24	27.35		1497.1							
	OBS	00700	08.50	35.23	27.40		1496.6							
	OBS	00800	07.34	35.18	27.53		1493.8							
	OBS	00839	06.97	35.15	27.56		1492.9							
	OBS	00843	07.03	35.20	27.59		1493.3							
	OBS	00860	06.66	35.14	27.60		1492.1							
	OBS	00875	06.59	35.15	27.61		1492.1							
	OBS	00885	06.37	35.11	27.61		1491.3							
	OBS	00890	06.45	35.14	27.62		1491.7							
	OBS	00900	06.38	35.13	27.63		1491.6							
	OBS	00922	06.06	35.11	27.65		1490.7							
	OBS	00930	06.27	35.16	27.66		1491.7							
	OBS	00970	05.73	35.08	27.67		1490.1							
	OBS	01000	05.84	35.14	27.70		1491.1							
	OBS	01026	05.72	35.14	27.72		1491.1							
	OBS	01038	05.78	35.16	27.73		1491.5							
	OBS	01073	05.22	35.08	27.73		1489.8							
	OBS	01100	05.06	35.07	27.74		1489.5							
	OBS	01110	04.94	35.05	27.74		1489.2							
	OBS	01200	04.58	35.01	27.75		1489.2							
	OBS	01300	04.36	35.01	27.78		1489.9							
	OBS	01400	04.22	35.00	27.78		1491.0							
	OBS	01465	04.22	35.01	27.79		1492.1							
	OBS	01500	04.07	34.98	27.78		1492.0							

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REFID 31 8177 YEAR 1970 BOTDP 04023 AIR TEMP 22.7 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0096 MONTH 06 SHIP OU WET BULB 21.3 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 25 DATA USE 1 BAROMETR 1026.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 01 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E42 096 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.3	OBS	00000	23.12	36.46	25.02		1531.9							
	OBS	00010	21.33	36.41	25.49		1527.5							
	OBS	00020	20.15	36.34	25.76		1524.4							
	OBS	00030	18.93	36.29	26.04		1521.2							
	OBS	00050	17.30	36.31	26.46		1516.8							
	OBS	00075	16.93	36.32	26.56		1516.2							
	OBS	00100	16.67	36.30	26.61		1515.8							
	OBS	00125	16.55	36.31	26.64		1515.8							
	OBS	00150	16.44	36.30	26.66		1515.9							
	OBS	00200	16.15	36.24	26.68		1515.8							
	OBS	00250	15.82	36.18	26.71		1515.5							
	OBS	00300	15.00	36.02	26.78		1513.6							
	OBS	00390	13.53	35.78	26.91		1510.0							
	OBS	00400	13.59	35.82	26.92		1510.4							
	OBS	00460	12.88	35.69	26.97		1508.9							
	OBS	00480	12.31	35.60	27.01		1507.2							
	OBS	00500	12.24	35.59	27.02		1507.2							
	OBS	00550	11.48	35.49	27.09		1505.3							
	OBS	00600	10.37	35.35	27.18		1502.0							
	OBS	00650	09.35	35.25	27.28		1499.0							
	OBS	00667	09.29	35.26	27.29		1499.1							
	OBS	00700	08.60	35.18	27.34		1496.9							
	OBS	00770	08.08	35.22	27.45		1496.2							
	OBS	00800	07.57	35.20	27.51		1494.7							
	OBS	00830	07.18	35.19	27.56		1493.7							
	OBS	00860	07.13	35.22	27.59		1494.0							
	OBS	00900	06.65	35.19	27.64		1492.8							
	OBS	00970	05.65	35.08	27.68		1489.8							
	OBS	01000	05.45	35.06	27.69		1489.4							
	OBS	01014	05.35	35.07	27.71		1489.3							
	OBS	01045	05.33	35.09	27.73		1489.7							
	OBS	01100	05.14	35.07	27.74		1489.9							
	OBS	01180	04.67	35.03	27.76		1489.2							
	OBS	01200	04.63	35.02	27.75		1489.4							
	OBS	01210	04.52	35.01	27.76		1489.1							
	OBS	01300	04.37	35.00	27.77		1489.9							
	OBS	01400	04.19	34.99	27.78		1490.9							
	OBS	01500	04.10	34.99	27.79		1492.2							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04297 AIR TEMP 22.7 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0097 MONTH 06 SHIP OU WET BULB 21.1 13 2 3 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1030.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 59 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E42 097 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	23.02	36.46	25.05		1531.7							
	OBS	00010	21.74	36.46	25.42		1528.6							
	OBS	00020	21.67	36.45	25.43		1528.6							
	OBS	00030	19.65	36.21	25.79		1523.1							
	OBS	00050	17.90	36.29	26.30		1518.6							
	OBS	00075	16.91	36.35	26.59		1516.1							
	OBS	00100	16.61	36.30	26.62		1515.6							
	OBS	00125	16.37	36.27	26.66		1515.2							
	OBS	00150	16.10	36.22	26.68		1514.8							
	OBS	00200	15.57	36.13	26.73		1513.8							
	OBS	00250	14.99	36.03	26.79		1512.7							
	OBS	00300	14.36	35.93	26.84		1511.5							
	OBS	00400	13.30	35.76	26.94		1509.4							
	OBS	00500	11.90	35.54	27.05		1506.0							
	OBS	00600	10.27	35.32	27.17		1501.6							
	OBS	00700	08.60	35.22	27.37		1497.0							
	OBS	00740	08.00	35.19	27.44		1495.3							
	OBS	00800	07.38	35.18	27.53		1493.9							
	OBS	00822	07.12	35.16	27.55		1493.3							
	OBS	00842	07.15	35.20	27.58		1493.8							
	OBS	00900	06.50	35.16	27.63		1492.1							
	OBS	00914	06.00	35.10	27.65		1490.3							
	OBS	00940	05.95	35.11	27.67		1490.5							
	OBS	00950	06.35	35.20	27.69		1492.4							
	OBS	00960	05.95	35.13	27.68		1490.9							
	OBS	01000	05.74	35.13	27.71		1490.7							
	OBS	01030	05.64	35.13	27.72		1490.8							
	OBS	01050	05.39	35.10	27.73		1490.1							
	OBS	01090	05.41	35.13	27.75		1490.9							
	OBS	01100	05.25	35.10	27.75		1490.4							
	OBS	01200	04.64	35.04	27.77		1489.4							
	OBS	01300	04.27	34.99	27.77		1489.5							
	OBS	01400	04.12	34.98	27.78		1490.6							
	OBS	01500	04.00	34.98	27.79		1491.7							

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REFID 31 8177 YEAR 1970 BOTDP 04663 AIR TEMP 23.7 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0098 MONTH 06 SHIP OU WET BULB 21.7 13 3 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 25 DATA USE 1 BAROMETR 1029.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 58 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 098 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	23.00	36.36	24.98		1531.5							
	OBS	00010	21.85	36.36	25.31		1528.8							
	OBS	00020	20.30	36.27	25.67		1524.8							
	OBS	00030	18.20	36.24	26.19		1519.0							
	OBS	00050	17.08	36.28	26.49		1516.2							
	OBS	00075	16.52	36.26	26.61		1514.9							
	OBS	00100	16.38	36.25	26.64		1514.8							
	OBS	00125	16.12	36.22	26.68		1514.4							
	OBS	00150	15.98	36.20	26.69		1514.4							
	OBS	00200	15.52	36.12	26.74		1513.7							
	OBS	00250	14.92	36.00	26.78		1512.5							
	OBS	00300	14.41	35.92	26.83		1511.6							
	OBS	00400	13.24	35.72	26.92		1509.1							
	OBS	00500	11.62	35.46	27.04		1504.9							
	OBS	00526	11.04	35.40	27.10		1503.3							
	OBS	00579	10.35	35.33	27.17		1501.6							
	OBS	00600	09.60	35.24	27.23		1499.1							
	OBS	00630	09.27	35.25	27.29		1498.4							
	OBS	00660	08.48	35.13	27.32		1495.8							
	OBS	00700	08.24	35.21	27.42		1495.6							
	OBS	00702	08.20	35.20	27.42		1495.5							
	OBS	00706	08.27	35.23	27.43		1495.9							
	OBS	00710	08.11	35.21	27.44		1495.3							
	OBS	00718	08.32	35.26	27.45		1496.3							
	OBS	00726	08.03	35.21	27.45		1495.3							
	OBS	00732	08.20	35.26	27.47		1496.1							
	OBS	00740	07.99	35.21	27.46		1495.3							
	OBS	00749	08.12	35.27	27.49		1496.1							
	OBS	00800	07.30	35.18	27.54		1493.6							
	OBS	00835	07.00	35.15	27.56		1493.0							
	OBS	00859	06.47	35.09	27.58		1491.2							
	OBS	00861	06.51	35.13	27.61		1491.5							
	OBS	00900	06.22	35.11	27.63		1490.9							
	OBS	00970	05.65	35.10	27.70		1489.8							
	OBS	00980	05.72	35.13	27.71		1490.3							
	OBS	01000	05.61	35.11	27.71		1490.2							
	OBS	01045	05.66	35.15	27.74		1491.2							
	OBS	01100	05.31	35.09	27.73		1490.6							
	OBS	01180	04.91	35.06	27.75		1490.2							
	OBS	01190	04.94	35.07	27.76		1490.6							
	OBS	01200	04.83	35.05	27.76		1490.2							
	OBS	01300	04.51	35.02	27.77		1490.6							
	OBS	01400	04.30	35.00	27.78		1491.3							
	OBS	01500	04.11	34.99	27.79		1492.2							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04846 AIR TEMP 23.0 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0099 MONTH 06 SHIP OU WET BULB 21.3 15 2 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2
LAT 34 52 N DAY 25 DATA USE 1 BAROMETR 1031.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 099 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	23.40	36.30	24.82		1532.4							
	OBS	00010	21.64	36.37	25.38		1528.3							
	OBS	00020	21.10	36.36	25.52		1527.0							
	OBS	00030	19.80	36.32	25.84		1523.6							
	OBS	00050	17.65	36.18	26.28		1517.7							
	OBS	00075	16.65	36.29	26.60		1515.3							
	OBS	00100	16.44	36.28	26.65		1515.1							
	OBS	00125	16.20	36.22	26.66		1514.7							
	OBS	00150	15.90	36.17	26.69		1514.1							
	OBS	00200	15.67	36.14	26.72		1514.2							
	OBS	00250	15.25	36.06	26.75		1513.6							
	OBS	00300	14.73	35.97	26.80		1512.6							
	OBS	00371	14.01	35.88	26.88		1511.4							
	OBS	00400	13.62	35.80	26.90		1510.5							
	OBS	00460	13.00	35.72	26.97		1509.3							
	OBS	00500	11.95	35.61	27.09		1506.3							
	OBS	00540	11.10	35.42	27.10		1503.7							
	OBS	00600	09.92	35.30	27.22		1500.3							
	OBS	00627	09.19	35.20	27.26		1498.0							
	OBS	00642	09.13	35.25	27.31		1498.1							
	OBS	00689	08.27	35.14	27.36		1495.5							
	OBS	00700	08.30	35.19	27.40		1495.8							
	OBS	00713	08.10	35.14	27.39		1495.2							
	OBS	00740	07.98	35.18	27.44		1495.3							
	OBS	00749	08.16	35.27	27.48		1496.2							
	OBS	00782	07.20	35.13	27.51		1492.9							
	OBS	00790	07.27	35.18	27.54		1493.3							
	OBS	00800	07.22	35.18	27.55		1493.3							
	OBS	00830	07.19	35.21	27.58		1493.7							
	OBS	00855	06.75	35.18	27.62		1492.4							
	OBS	00883	06.72	35.19	27.63		1492.8							
	OBS	00900	06.54	35.19	27.65		1492.3							
	OBS	00920	06.49	35.20	27.67		1492.5							
	OBS	01000	05.75	35.12	27.70		1490.7							
	OBS	01019	05.82	35.18	27.74		1491.4							
	OBS	01070	05.20	35.08	27.74		1489.6							
	OBS	01100	05.17	35.08	27.74		1490.0							
	OBS	01200	04.88	35.06	27.76		1490.5							
	OBS	01300	04.55	35.02	27.76		1490.7							
	OBS	01340	04.28	34.97	27.75		1490.2							
	OBS	01400	04.18	34.97	27.76		1490.8							
	OBS	01500	04.11	34.97	27.77		1492.2							

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REFID 31 8177 YEAR 1970 BOTDP 02762 AIR TEMP 22.5 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0100 MONTH 06 SHIP OU WET BULB 21.5 14 2 3 WIND-SPD 02 TRACE DIR 0 5 SQUARE 4
LAT 35 02.5N DAY 26 DATA USE 1 BAROMETR 1029.9 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 06.0W HOUR 07.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 100 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.3	OBS	00000	23.12	36.36	24.95		1531.8							
	OBS	00010	22.84	36.28	24.97		1531.2							
	OBS	00020	21.04	36.36	25.54		1526.8							
	OBS	00030	20.44	36.29	25.65		1525.3							
	OBS	00050	18.24	36.30	26.22		1519.6							
	OBS	00075	17.09	36.29	26.50		1516.6							
	OBS	00100	16.74	36.29	26.58		1516.0							
	OBS	00105	16.60	36.26	26.59		1515.6							
	OBS	00125	16.56	36.29	26.63		1515.8							
	OBS	00150	16.51	36.28	26.63		1516.1							
	OBS	00200	16.07	36.21	26.68		1515.5							
	OBS	00250	15.44	36.07	26.72		1514.2							
	OBS	00300	14.58	35.93	26.80		1512.1							
	OBS	00400	13.64	35.79	26.89		1510.5							
	OBS	00450	13.02	35.69	26.94		1509.2							
	OBS	00500	11.99	35.52	27.01		1506.3							
	OBS	00562	11.19	35.44	27.10		1504.4							
	OBS	00580	10.49	35.31	27.13		1502.1							
	OBS	00600	10.12	35.30	27.18		1501.1							
	OBS	00692	08.42	35.13	27.33		1496.1							
	OBS	00700	08.49	35.18	27.36		1496.5							
	OBS	00760	07.84	35.16	27.44		1495.0							
	OBS	00790	07.36	35.13	27.49		1493.6							
	OBS	00800	07.21	35.13	27.51		1493.2							
	OBS	00810	07.13	35.13	27.52		1493.1							
	OBS	00830	07.15	35.18	27.56		1493.5							
	OBS	00845	07.22	35.21	27.57		1494.1							
	OBS	00880	06.43	35.11	27.60		1491.4							
	OBS	00900	06.49	35.15	27.63		1492.1							
	OBS	00925	06.58	35.18	27.64		1492.9							
	OBS	01000	05.79	35.10	27.68		1490.9							
	OBS	01050	05.52	35.07	27.69		1490.6							
	OBS	01060	05.57	35.10	27.71		1491.0							
	OBS	01090	05.44	35.09	27.72		1490.9							
	OBS	01100	05.18	35.05	27.71		1490.0							
	OBS	01200	04.76	35.01	27.73		1489.9							
	OBS	01280	04.40	34.98	27.75		1489.7							
	OBS	01300	04.42	34.99	27.75		1490.1							
	OBS	01400	04.26	34.97	27.76		1491.1							
	OBS	01500	04.13	34.97	27.77		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 02835 AIR TEMP 23.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0101 MONTH 06 SHIP OU WET BULB 22.0 14 2 3 WIND-SPD 03 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 26 DATA USE 1 BAROMETR 1030.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 04 W HOUR 11.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 101 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.4	OBS	00000	23.24	36.41	24.95		1532.2							
	OBS	00010	21.62	36.38	25.39		1528.2							
	OBS	00020	19.99	36.27	25.75		1523.9							
	OBS	00030	18.84	36.24	26.03		1520.9							
	OBS	00050	17.34	36.27	26.42		1516.9							
	OBS	00075	16.81	36.28	26.56		1515.8							
	OBS	00100	16.52	36.25	26.60		1515.3							
	OBS	00125	16.32	36.23	26.64		1515.0							
	OBS	00150	16.12	36.20	26.66		1514.8							
	OBS	00200	15.76	36.14	26.70		1514.4							
	OBS	00250	15.29	36.05	26.73		1513.7							
	OBS	00300	14.71	35.97	26.80		1512.6							
	OBS	00380	13.79	35.81	26.87		1510.7							
	OBS	00400	13.39	35.75	26.91		1509.7							
	OBS	00500	11.94	35.53	27.03		1506.1							
	OBS	00600	10.37	35.33	27.16		1502.0							
	OBS	00660	09.12	35.22	27.29		1498.3							
	OBS	00675	09.07	35.21	27.29		1498.3							
	OBS	00700	08.61	35.19	27.35		1497.0							
	OBS	00720	08.59	35.21	27.37		1497.3							
	OBS	00800	07.24	35.16	27.53		1493.4							
	OBS	00825	07.18	35.21	27.58		1493.6							
	OBS	00900	06.36	35.15	27.64		1491.6							
	OBS	00928	06.00	35.12	27.67		1490.5							
	OBS	01000	05.59	35.07	27.68		1490.0							
	OBS	01025	05.31	35.05	27.70		1489.3							
	OBS	01035	05.40	35.08	27.71		1489.9							
	OBS	01100	05.18	35.08	27.74		1490.0							
	OBS	01145	05.15	35.07	27.73		1490.7							
	OBS	01160	04.94	35.05	27.74		1490.0							
	OBS	01180	04.91	35.05	27.75		1490.2							
	OBS	01200	04.72	35.02	27.74		1489.7							
	OBS	01220	04.68	35.02	27.75		1489.9							
	OBS	01230	04.75	35.05	27.77		1490.4							
	OBS	01260	04.47	35.00	27.76		1489.7							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	01320	04.49	35.01	27.76		1490.8							
	OBS	01340	04.39	34.99	27.76		1490.7							
	OBS	01400	04.32	34.99	27.77		1491.4							
	OBS	01500	04.16	34.99	27.78		1492.4							

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REFID 31 8177 YEAR 1970 BOTDP 04206 AIR TEMP 25.0 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206
CONSEC 0102 MONTH 06 SHIP OU WET BULB 21.9 14 2 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 26 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 54 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 102 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	25.74	36.42	24.21		1538.1							
	OBS	00010	25.32	36.43	24.34		1537.3							
	OBS	00020	19.86	36.44	25.91		1523.8							
	OBS	00030	18.84	36.42	26.16		1521.1							
	OBS	00050	17.42	36.38	26.49		1517.3							
	OBS	00075	16.91	36.34	26.58		1516.1							
	OBS	00100	16.48	36.31	26.66		1515.2							
	OBS	00125	16.22	36.28	26.70		1514.8							
	OBS	00150	16.04	36.25	26.72		1514.6							
	OBS	00200	15.61	36.17	26.75		1514.0							
	OBS	00250	15.20	36.09	26.78		1513.5							
	OBS	00300	14.66	36.01	26.84		1512.5							
	OBS	00400	13.48	35.83	26.95		1510.1							
	OBS	00500	11.94	35.59	27.08		1506.2							
	OBS	00600	10.13	35.41	27.27		1501.2							
	OBS	00700	08.27	35.23	27.43		1495.8							
	OBS	00775	07.10	35.13	27.53		1492.4							
	OBS	00790	07.24	35.20	27.56		1493.3							
	OBS	00800	06.93	35.16	27.57		1492.2							
	OBS	00820	07.00	35.22	27.61		1492.8							
	OBS	00900	06.16	35.17	27.69		1490.8							
	OBS	00910	06.26	35.19	27.69		1491.4							
	OBS	00980	05.56	35.10	27.71		1489.6							
	OBS	01000	05.56	35.12	27.72		1490.0							
	OBS	01100	04.98	35.06	27.75		1489.2							
	OBS	01200	04.61	35.01	27.75		1489.3							
	OBS	01300	04.44	35.00	27.76		1490.2							
	OBS	01400	04.29	34.99	27.77		1491.3							
	OBS	01500	04.11	34.98	27.78		1492.2							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04334 AIR TEMP 23.3 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0103 MONTH 06 SHIP OU WET BULB 21.9 13 2 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 26 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 23.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 103 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.4	OBS	00000	24.11	36.34	24.64		1534.2							
	OBS	00010	22.39	36.42	25.20		1530.2							
	OBS	00020	21.59	36.32	25.35		1528.2							
	OBS	00030	19.76	36.29	25.83		1523.5							
	OBS	00050	17.48	36.31	26.42		1517.4							
	OBS	00075	16.92	36.30	26.55		1516.1							
	OBS	00100	16.67	36.29	26.60		1515.8							
	OBS	00125	16.54	36.26	26.61		1515.7							
	OBS	00150	16.32	36.23	26.64		1515.4							
	OBS	00200	15.82	36.13	26.68		1514.6							
	OBS	00250	15.14	36.00	26.73		1513.2							
	OBS	00264	14.90	35.99	26.77		1512.6							
	OBS	00282	14.86	35.97	26.77		1512.8							
	OBS	00287	14.67	35.94	26.79		1512.2							
	OBS	00300	14.63	35.93	26.79		1512.3							
	OBS	00400	13.67	35.80	26.89		1510.6							
	OBS	00420	13.59	35.79	26.90		1510.7							
	OBS	00500	12.24	35.58	27.01		1507.2							
	OBS	00600	10.44	35.33	27.15		1502.2							
	OBS	00654	09.12	35.21	27.28		1498.2							
	OBS	00675	08.96	35.21	27.31		1497.9							
	OBS	00690	08.63	35.17	27.33		1496.9							
	OBS	00700	08.64	35.18	27.34		1497.1							
	OBS	00730	08.16	35.19	27.42		1495.8							
	OBS	00760	07.94	35.21	27.47		1495.5							
	OBS	00770	07.59	35.15	27.47		1494.2							
	OBS	00789	07.43	35.18	27.52		1493.9							
	OBS	00800	07.54	35.22	27.53		1494.6							
	OBS	00849	07.32	35.21	27.56		1494.6							
	OBS	00900	06.68	35.18	27.63		1492.9							
	OBS	00955	06.54	35.18	27.64		1493.2							
	OBS	00967	06.22	35.13	27.65		1492.1							
	OBS	01000	05.94	35.13	27.68		1491.5							
	OBS	01069	05.60	35.11	27.71		1491.3							
	OBS	01100	05.22	35.06	27.72		1490.2							
	OBS	01200	04.89	35.02	27.73		1490.4							
	OBS	01300	04.55	35.01	27.76		1490.7							
	OBS	01400	04.41	35.00	27.76		1491.8							
	OBS	01500	04.23	34.99	27.78		1492.7							

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REFID 31 8177 YEAR 1970 BOTDP 04206 AIR TEMP 23.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0104 MONTH 06 SHIP OU WET BULB 21.7 13 1 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 27 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 03 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 104 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	23.86	36.39	24.75		1535.7							
	OBS	00010	22.34	36.34	25.16		1530.0							
	OBS	00020	20.84	36.32	25.56		1526.3							
	OBS	00030	19.35	36.32	25.96		1522.4							
	OBS	00050	18.09	36.28	26.25		1519.1							
	OBS	00075	16.92	36.28	26.53		1516.1							
	OBS	00100	16.71	36.28	26.58		1515.9							
	OBS	00125	16.59	36.28	26.61		1515.9							
	OBS	00150	16.34	36.25	26.65		1515.5							
	OBS	00200	15.91	36.17	26.69		1514.9							
	OBS	00250	15.47	36.07	26.71		1514.3							
	OBS	00300	14.86	35.97	26.77		1513.1							
	OBS	00400	13.74	35.79	26.87		1510.9							
	OBS	00500	11.96	35.51	27.01		1506.2							
	OBS	00550	10.99	35.40	27.11		1503.5							
	OBS	00600	10.48	35.37	27.18		1502.4							
	OBS	00680	08.48	35.15	27.34		1496.1							
	OBS	00700	08.51	35.21	27.38		1496.6							
	OBS	00712	08.69	35.31	27.43		1497.6							
	OBS	00760	07.47	35.15	27.49		1493.6							
	OBS	00775	07.55	35.20	27.52		1494.2							
	OBS	00782	07.34	35.16	27.52		1493.5							
	OBS	00800	07.40	35.21	27.55		1494.1							
	OBS	00812	07.39	35.23	27.56		1494.2							
	OBS	00845	07.14	35.23	27.60		1493.8							
	OBS	00860	06.76	35.17	27.61		1492.5							
	OBS	00900	06.46	35.19	27.66		1492.0							
	OBS	00974	05.76	35.11	27.69		1490.3							
	OBS	01000	05.70	35.12	27.71		1490.5							
	OBS	01020	05.57	35.11	27.71		1490.3							
	OBS	01035	05.57	35.12	27.72		1490.6							
	OBS	01100	05.10	35.07	27.74		1489.7							
	OBS	01170	04.74	35.03	27.75		1489.3							
	OBS	01200	04.74	35.04	27.76		1489.9							
	OBS	01210	04.80	35.05	27.76		1490.3							
	OBS	01225	04.67	35.03	27.76		1490.0							
	OBS	01250	04.69	35.04	27.76		1490.5							
	OBS	01300	04.56	35.02	27.76		1490.8							
	OBS	01310	04.47	35.01	27.76		1490.5							
	OBS	01400	04.33	35.00	27.77		1491.5							
	OBS	01500	04.16	34.99	27.78		1492.4							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04439	AIR TEMP 24.1	DIR MGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0105	MONTH 06	SHIP OU	WET BULB 22.2	14 2 3	WIND-SPD 03	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 27	DATA USE 1	BAROMETR 1030.3	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 56 W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 105	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	23.33	36.48	24.98		1532.5							
	OBS	00010	22.18	36.42	25.26		1529.7							
	OBS	00020	19.63	36.20	25.79		1522.9							
	OBS	00030	18.58	36.23	26.09		1520.1							
	OBS	00050	17.33	36.31	26.46		1516.9							
	OBS	00075	16.88	36.31	26.57		1516.0							
	OBS	00100	16.65	36.30	26.61		1515.7							
	OBS	00125	16.39	36.26	26.64		1515.3							
	OBS	00150	16.26	36.24	26.66		1515.3							
	OBS	00200	15.91	36.18	26.69		1515.0							
	OBS	00250	15.30	36.05	26.73		1513.7							
	OBS	00300	14.73	35.98	26.80		1512.7							
	OBS	00400	13.38	35.76	26.92		1509.6							
	OBS	00440	12.95	35.69	26.96		1508.8							
	OBS	00490	11.97	35.53	27.02		1506.1							
	OBS	00500	11.91	35.54	27.04		1506.0							
	OBS	00520	11.78	35.50	27.04		1505.9							
	OBS	00600	10.48	35.34	27.15		1502.4							
	OBS	00700	08.65	35.21	27.36		1497.2							
	OBS	00730	08.36	35.20	27.40		1496.6							
	OBS	00800	07.36	35.15	27.51		1493.8							
	OBS	00865	06.57	35.12	27.59		1491.8							
	OBS	00870	06.63	35.17	27.62		1492.2							
	OBS	00875	06.53	35.15	27.62		1491.8							
	OBS	00885	06.68	35.20	27.64		1492.6							
	OBS	00900	06.50	35.18	27.65		1492.2							
	OBS	00910	06.57	35.19	27.65		1492.6							
	OBS	00930	06.20	35.12	27.64		1491.4							
	OBS	00940	06.26	35.17	27.67		1491.8							
	OBS	00950	05.94	35.12	27.68		1490.7							
	OBS	00955	06.13	35.19	27.71		1491.6							
	OBS	00960	05.97	35.15	27.70		1491.0							
	OBS	01000	05.83	35.15	27.71		1491.1							
	OBS	01025	05.83	35.16	27.72		1491.5							
	OBS	01050	05.45	35.10	27.72		1490.3							
	OBS	01100	05.13	35.07	27.74		1489.8							
	OBS	01200	04.74	35.02	27.74		1489.8							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	01372	04.32	34.99	27.77		1490.9							
	OBS	01380	04.24	34.98	27.77		1490.7							
	OBS	01400	04.20	34.97	27.76		1490.9							
	OBS	01500	04.13	34.97	27.77		1492.3							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 02743	AIR TEMP 24.5	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0106	MONTH 06	SHIP OU	WET BULB 22.1	17 2 3	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 27	DATA USE 1	BAROMETR 1027.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 49 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 106	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	24.00	36.38	24.71		1534.0							
	OBS	00010	22.78	36.42	25.09		1531.2							
	OBS	00020	20.88	36.37	25.59		1526.4							
	OBS	00030	20.08	36.24	25.70		1524.3							
	OBS	00050	17.98	36.35	26.33		1518.9							
	OBS	00075	16.96	36.32	26.55		1516.3							
	OBS	00100	16.61	36.30	26.62		1515.6							
	OBS	00125	16.50	36.29	26.64		1515.7							
	OBS	00150	16.33	36.27	26.66		1515.5							
	OBS	00200	15.83	36.16	26.70		1514.7							
	OBS	00250	15.22	36.07	26.76		1513.5							
	OBS	00300	14.80	36.00	26.80		1512.9							
	OBS	00361	14.18	35.87	26.84		1511.8							
	OBS	00400	13.50	35.81	26.94		1510.1							
	OBS	00441	13.07	35.76	26.98		1509.3							
	OBS	00500	11.97	35.59	27.07		1506.3							
	OBS	00535	11.55	35.52	27.10		1505.3							
	OBS	00540	11.33	35.48	27.11		1504.6							
	OBS	00570	11.08	35.48	27.15		1504.2							
	OBS	00600	10.36	35.35	27.18		1502.0							
	OBS	00623	09.67	35.31	27.27		1499.8							
	OBS	00668	09.23	35.31	27.34		1498.9							
	OBS	00700	08.49	35.18	27.36		1496.5							
	OBS	00730	07.98	35.20	27.45		1495.1							
	OBS	00744	08.00	35.25	27.49		1495.5							
	OBS	00780	07.19	35.16	27.54		1492.8							
	OBS	00800	07.16	35.18	27.56		1493.1							
	OBS	00818	06.91	35.17	27.59		1492.4							
	OBS	00870	06.82	35.17	27.60		1492.9							
	OBS	00900	06.32	35.16	27.66		1491.4							
	OBS	00932	06.10	35.16	27.69		1491.1							
	OBS	00960	05.61	35.08	27.69		1489.5							
	OBS	00961	05.72	35.11	27.70		1490.0							
	OBS	00980	05.67	35.11	27.70		1490.1							
	OBS	01000	05.45	35.08	27.71		1489.5							
	OBS	01055	05.36	35.09	27.72		1490.0							
	OBS	01069	05.17	35.07	27.73		1489.5							
	OBS	01091	05.34	35.10	27.74		1490.6							
	OBS	01100	05.13	35.06	27.73		1489.8							
	OBS	01120	04.84	35.03	27.74		1488.9							
	OBS	01200	04.66	35.02	27.75		1489.5							
	OBS	01300	04.32	34.98	27.76		1489.7							
	OBS	01400	04.29	34.99	27.77		1491.3							
	OBS	01450	04.21	34.98	27.77		1491.8							
	OBS	01500	04.33	35.01	27.78		1493.2							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 04206	AIR TEMP 23.7	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1206
CONSEC 0107	MONTH 06	SHIP OU	WET BULB 21.4	16 2 3	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 27	DATA USE 1	BAROMETR 1030.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 107	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.6	OBS	00000	23.97	36.43	24.75		1534.0							
	OBS	00010	22.93	36.34	24.99		1531.5							
	OBS	00020	21.43	36.26	25.35		1527.7							
	OBS	00030	19.53	36.27	25.87		1522.8							
	OBS	00050	17.68	36.29	26.36		1517.9							
	OBS	00075	16.60	36.27	26.60		1515.1							
	OBS	00100	16.44	36.27	26.64		1515.0							
	OBS	00125	16.33	36.26	26.66		1515.1							
	OBS	00150	16.25	36.25	26.67		1515.3							
	OBS	00200	15.78	36.16	26.71		1514.5							
	OBS	00250	15.26	36.08	26.76		1513.6							
	OBS	00300	14.78	36.00	26.81		1512.8							
	OBS	00400	13.53	35.77	26.90		1510.1							
	OBS	00500	11.96	35.53	27.03		1506.2							
	OBS	00559	10.90	35.39	27.12		1503.3							
	OBS	00593	10.56	35.37	27.16		1502.6							
	OBS	00600	10.28	35.31	27.16		1501.6							
	OBS	00650	09.23	35.19	27.25		1498.5							
	OBS	00680	08.98	35.22	27.31		1498.1							
	OBS	00700	08.51	35.20	27.37		1496.6							
	OBS	00740	07.93	35.15	27.42		1495.0							
	OBS	00762	07.64	35.16	27.44		1495.1							
	OBS	00770	07.92	35.26	27.51		1495.6							
	OBS	00800	07.57	35.19	27.51		1494.7							
	OBS	00808	07.18	35.11	27.50		1493.2							
	OBS	00830	06.87	35.12	27.55		1492.4							
	OBS	00840	06.87	35.13	27.56		1492.5							
	OBS	00900	06.43	35.15	27.64		1491.8							
	OBS	00920	06.37	35.17	27.66		1492.0							
	OBS	00935	06.06	35.11	27.65		1490.9							
	OBS	00963	05.98	35.14	27.69		1491.1							
	OBS	00980	05.73	35.09	27.68		1490.3							
	OBS	01000	05.77	35.13	27.71		1490.8							
	OBS	01020	05.65	35.13	27.72		1490.7							
	OBS	01038	05.76	35.18	27.75		1491.5							
	OBS	01050	05.56	35.15	27.75		1490.8							
	OBS	01055	05.38	35.11	27.74		1490.1							
	OBS	01060	05.45	35.12	27.74		1490.5							
	OBS	01100	04.93	35.05	27.74		1489.0							
	OBS	01119	04.83	35.04	27.75		1488.9							
	OBS	01130	04.95	35.06	27.75		1489.6							
	OBS	01170	04.73	35.03	27.75		1489.3							
	OBS	01200	04.74	35.04	27.76		1489.9							
	OBS	01300	04.48	35.02	27.77		1490.4							
	OBS	01400	04.22	34.99	27.78		1491.0							
	OBS	01500	04.05	34.99	27.79		1492.0							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04481 AIR TEMP 23.C DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206
CONSEC 0108 MONTH 06 SHIP OU WET BULB 20.6 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 28 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 00.8 2 SQUARE 48
LONG 048 11 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 108 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	23.33	36.43	24.94		1532.4							
	OBS	00010	23.22	36.41	24.96		1532.3							
	OBS	00020	21.02	36.06	25.31		1526.4							
	OBS	00030	18.72	36.18	26.01		1520.5							
	OBS	00050	16.97	36.28	26.52		1515.8							
	OBS	00075	16.67	36.33	26.63		1515.4							
	OBS	00100	16.44	36.28	26.65		1515.1							
	OBS	00125	16.30	36.27	26.67		1515.0							
	OBS	00150	16.04	36.22	26.69		1514.6							
	OBS	00200	15.49	36.12	26.74		1513.6							
	OBS	00250	14.94	36.02	26.79		1512.6							
	OBS	00300	14.37	35.94	26.85		1511.5							
	OBS	00400	13.37	35.79	26.95		1509.6							
	OBS	00440	13.02	35.73	26.97		1509.1							
	OBS	00500	11.98	35.54	27.03		1506.3							
	OBS	00600	10.26	35.34	27.19		1501.6							
	OBS	00640	09.44	35.24	27.25		1499.2							
	OBS	00655	09.54	35.29	27.28		1499.8							
	OBS	00700	08.46	35.18	27.36		1496.4							
	OBS	00705	08.31	35.19	27.40		1495.9							
	OBS	00755	08.21	35.24	27.45		1496.5							
	OBS	00785	07.49	35.17	27.50		1494.1							
	OBS	00800	07.58	35.22	27.53		1494.8							
	OBS	00870	06.65	35.15	27.61		1492.2							
	OBS	00900	05.92	35.09	27.65		1489.7							
	OBS	00905	06.00	35.10	27.65		1490.1							
	OBS	00910	05.93	35.09	27.65		1489.9							
	OBS	00930	06.10	35.15	27.68		1491.0							
	OBS	00950	05.94	35.14	27.69		1490.7							
	OBS	00970	05.92	35.15	27.70		1491.0							
	OBS	00980	05.82	35.13	27.70		1490.7							
	OBS	01000	05.76	35.14	27.71		1490.8							
	OBS	01055	05.38	35.09	27.72		1490.1							
	OBS	01100	05.38	35.12	27.75		1490.9							
	OBS	01120	05.51	35.16	27.76		1491.8							
	OBS	01130	05.35	35.13	27.76		1491.3							
	OBS	01145	05.55	35.18	27.77		1492.4							
	OBS	01200	05.25	35.14	27.78		1492.1							
	OBS	01220	05.02	35.10	27.77		1491.4							
	OBS	01300	04.77	35.07	27.78		1491.7							
	OBS	01400	04.50	35.05	27.79		1492.2							
	OBS	01480	04.29	35.03	27.80		1492.7							
	OBS	01500	04.37	35.05	27.81		1493.4							

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REFID 31 8177 YEAR 1970 BOTDP 03658 AIR TEMP 23.9 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0109 MONTH 06 SHIP OU WET BULB 21.0 13 2 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 28 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 45 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 109 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	23.32	36.46	24.97		1532.4							
	OBS	00010	22.67	36.43	25.13		1530.9							
	OBS	00020	20.84	36.34	25.58		1526.3							
	OBS	00030	19.57	36.26	25.85		1522.9							
	OBS	00050	17.57	36.33	26.41		1517.7							
	OBS	00075	16.72	36.31	26.60		1515.5							
	OBS	00100	16.52	36.30	26.64		1515.3							
	OBS	00125	16.35	36.28	26.67		1515.2							
	OBS	00150	16.25	36.27	26.68		1515.3							
	OBS	00200	15.69	36.17	26.74		1514.3							
	OBS	00250	15.15	36.07	26.78		1513.3							
	OBS	00300	14.67	35.98	26.82		1512.5							
	OBS	00400	13.52	35.79	26.92		1510.1							
	OBS	00500	11.93	35.54	27.04		1506.1							
	OBS	00600	10.32	35.36	27.20		1501.9							
	OBS	00608	10.12	35.35	27.22		1501.3							
	OBS	00615	10.17	35.38	27.24		1501.6							
	OBS	00640	09.27	35.26	27.30		1498.6							
	OBS	00695	08.80	35.23	27.35		1497.7							
	OBS	00700	08.85	35.29	27.39		1498.0							
	OBS	00710	09.00	35.33	27.40		1498.8							
	OBS	00760	08.21	35.20	27.42		1496.5							
	OBS	00770	08.44	35.32	27.48		1497.7							
	OBS	00800	08.12	35.28	27.50		1496.9							
	OBS	00900	07.02	35.23	27.62		1494.3							
	OBS	01000	06.08	35.16	27.69		1492.1							
	OBS	01100	05.39	35.10	27.73		1490.9							
	OBS	01140	05.21	35.08	27.73		1490.8							
	OBS	01200	04.98	35.09	27.77		1490.9							
	OBS	01260	04.96	35.09	27.77		1491.8							
	OBS	01300	04.76	35.06	27.77		1491.6							
	OBS	01360	04.56	35.05	27.79		1491.8							
	OBS	01400	04.51	35.04	27.78		1492.3							
	OBS	01500	04.27	35.02	27.79		1492.9							

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TABLE XXII.–Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station ECHO, 30 June 1970 - 22 July 1970, prepared from NODC listing No. 31 - 1655.

REFID 31 1655	YEAR 1970	BOTDP 04352	AIR TEMP 24.0	DIR HGT PER	WIND-DIR 13	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 06	SHIP DU	WET BULB 20.5	13 2 4	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 35 03 N	DAY 30	DATA USE 1	BAROMETR 1031.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 13.4	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E43 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	23.58	36.512	24.93		1533.1							
13.4	OBS	00023	21.28	36.470	25.55		1527.6							
13.4	OBS	00048	17.62	36.353	26.42		1517.8							
13.4	OBS	00072	16.80	36.307	26.58		1515.7							
13.4	OBS	00096	16.59	36.307	26.63		1515.5							
13.4	OBS	00144	16.25	36.260	26.68		1515.2							
13.4	OBS	00192	15.83	36.190	26.72		1514.6							
13.4	OBS	00289		36.003										
13.4	OBS	00384	13.99	35.872	26.88		1511.5							
13.4	OBS	T00481	12.64	35.659	26.95		1508.4							
13.4	OBS	T00578	10.64	35.368	27.15		1502.7							
13.4	OBS	00773		35.180										
13.4	OBS	00969	06.25	35.172	27.68		1492.3							
13.4	OBS	T01468	04.19											

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REFID 31 1655	YEAR 1970	BOTDP 04535	AIR TEMP 25.3	DIR HGT PER	WIND-DIR 12	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP DU	WET BULB 21.0	12 2 2	WIND-SPD 04	TRACE DIR	5 SQUARE 2
LAT 34 58 N	DAY 01	DATA USE 1	BAROMETR 1029.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 55 W	HOUR 13.0	AREA 05	CLOUD T/A 3/3	CL/TR	WEATHER X1	ORIG E43 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	23.61	36.473	24.89		1533.2							
13.0	OBS	00025	21.08	36.436	25.58		1527.1							
13.0	OBS	00051	17.32	36.313	26.46		1516.9							
13.0	OBS	00076	16.70	36.281	26.59		1515.4							
13.0	OBS	00102	16.45	36.274	26.64		1515.1							
13.0	OBS	00152	16.24	36.255	26.67		1515.3							
13.0	OBS	00203		36.204										
13.0	OBS	00305	14.85	36.012	26.80		1513.2							
13.0	OBS	T00406	13.88	35.866	26.90		1511.5							
13.0	OBS	00508	12.59	35.648	26.99		1508.6							
13.0	OBS	T00609	10.34	35.336	27.17		1502.0							
13.0	OBS	00812	06.85	35.100	27.54		1492.0							
13.0	OBS	01015	05.45	35.092	27.72		1489.7							
13.0	OBS	T01523	04.15	34.996	27.79		1492.8							

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REFID 31 1655	YEAR 1970	BOTDP 03200	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP DU	WET BULB 21.0	18 2 2	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 58 N	DAY 02	DATA USE 1	BAROMETR 1027.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 12.9	AREA 05	CLOUD T/A 9/4	CL/TR	WEATHER X1	ORIG E43 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	23.87	36.473	24.81		1533.8							
12.9	OBS	00024	21.53	36.402	25.43		1528.2							
12.9	OBS	00049	17.90	36.300	26.31		1518.6							
12.9	OBS	00072	17.09	36.337	26.54		1516.6							
12.9	OBS	00097	16.73	36.331	26.62		1515.9							
12.9	OBS	00145	16.37	36.286	26.67		1515.6							
12.9	OBS	T00193	16.02	36.218	26.70		1515.2							
12.9	OBS	00290	14.93	36.039	26.81		1513.2							
12.9	OBS	T00385	13.79	35.849	26.90		1510.9							
12.9	OBS	00482	12.58	35.653	27.00		1508.2							
12.9	OBS	T00577	10.73	35.386	27.14		1503.0							
12.9	OBS	00773	08.02	35.227	27.47		1496.0							
12.9	OBS	00971	05.84	35.126	27.69		1490.6							
12.9	OBS	T01471	04.07	34.985	27.79		1491.5							

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TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTDP 04663 AIR TEMP 23.5 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 07 SHIP DU WET BULB 20.5 16 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 03 DATA USE 1 BAROMETR 1026.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E43 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	23.95	36.448	24.77		1534.0							
12.3	OBS	00024	20.93	36.382	25.58		1526.6							
12.3	OBS	00046	17.97	36.360	26.34		1518.d							
12.3	OBS	00070	17.13	36.352	26.54		1516.7							
12.3	OBS	00092	16.d4	36.343	26.60		151o.2							
12.3	OBS	00139	16.51	36.298	26.64		1515.9							
12.3	OBS	00185		36.267										
12.3	OBS	00277	15.39	36.121	26.77		1514.5							
12.3	OBS	T00370	14.28	35.927	2o.86		1512.3							
12.3	OBS	00465	13.13	35.735	2o.95		1509.d							
12.3	OBS	T00561	11.13	35.429	27.10		1504.2							
12.3	OBS	00754	08.31	35.254	27.45		149o.d							
12.3	OBS	T00951	05.90	35.110	27.o7		1490.5							
12.3	OBS	T01466	04.18	34.997	27.79		1491.9							

REFID 31 1655 YEAR 1970 BOTDP 04846 AIR TEMP 23.4 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 07 SHIP DU WET BULB 21.4 24 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 04 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 11.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E43 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	24.23	36.529	24.75		1534.7							
11.9	OBS	00022	21.93	36.456	25.36		1529.3							
11.9	OBS	00044	17.77	36.418	26.43		1518.2							
11.9	OBS	00066	17.17	36.396	26.56		1516.8							
11.9	OBS	00088	17.07	36.393	26.58		1516.9							
11.9	OBS	00132	16.94	36.389	26.61		1517.2							
11.9	OBS	00175		36.350										
11.9	OBS	00259	15.55	36.13o	26.74		1514.8							
11.9	OBS	T00343	14.50	35.993	26.86		1512.6							
11.9	OBS	00428	14.39	35.997	26.89		1513.7							
11.9	OBS	T00514	13.60	35.827	26.93		1512.3							
11.9	OBS	00686	09.36	35.227	27.26		1499.o							
11.9	OBS	T00864	06.62	35.079	27.55		1491.9							
11.9	OBS	T01346	04.63	35.049	27.78		1491.9							

REFID 31 1655 YEAR 1970 BOTDP 04480 AIR TEMP 24.6 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 07 SHIP DU WET BULB 22.8 25 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 05 DATA USE 1 BAROMETR 1021.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 13.5 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E43 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	23.98	36.541	24.83		1534.1							
13.5	OBS	00025	21.47	36.433	25.47		1528.1							
13.5	OBS	00048	18.96	36.387	26.11		1521.7							
13.5	OBS	00072	18.08	36.381	26.33		1519.6							
13.5	OBS	00096	17.42	36.389	26.50		1518.0							
13.5	OBS	00144	16.69	36.318	26.62		1516.6							
13.5	OBS	T00191	16.32	36.268	26.67		1516.2							
13.5	OBS	00286	15.35	36.080	26.74		1514.5							
13.5	OBS	T00381	14.36	35.933	26.85		1512.7							
13.5	OBS	00476	12.79	35.662	26.97		1508.8							
13.5	OBS	T00571	11.07	35.440	27.12		1504.2							
13.5	OBS	00766	07.81	35.193	27.47		1495.0							
13.5	OBS	T00974	05.99	35.128	27.68		1491.3							
13.5	OBS	T01558	04.41	35.054	27.81		1494.5							

REFID 31 1655 YEAR 1970 BOTDP 04023 AIR TEMP 24.0 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 07 SHIP DU WET BULB 22.7 28 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1021.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.6 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E43 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	24.05	36.532	24.81		1534.3							
12.6	OBS	00026	20.77	36.441	25.67		1526.3							
12.6	OBS	00050	17.76	36.405	26.42		1518.3							
12.6	OBS	00076	17.14	36.386	26.56		1516.9							
12.6	OBS	00101	16.97	36.397	26.61		1516.8							
12.6	OBS	00152	16.77	36.366	26.63		1517.0							
12.6	OBS	00202	16.56	36.336	26.66		1517.2							
12.6	OBS	00303	15.81	36.189	26.72		1516.3							
12.6	OBS	T00404	14.04	35.86z	26.86		1512.0							
12.6	OBS	00506	12.04	35.564	27.04		1506.6							
12.6	OBS	T00607	10.06	35.305	27.20		1501.0							
12.6	OBS	00810	07.41	35.182	27.52		1494.z							
12.6	OBS	T01015	05.58	35.095	27.70		1490.3							
12.6	OBS	T01551	04.41	35.062	27.81		1494.4							

TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTDP 04618 AIR TEMP 24.5 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 07 SHIP DU WET BULB 23.5 29 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E43 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.24	36.509	24.73		1534.7							
12.3	OBS	00025	21.32	36.430	25.51		1527.7							
12.3	OBS	00051	18.88	36.402	26.14		1521.5							
12.3	OBS	00076	17.50	36.400	26.48		1518.0							
12.3	OBS	00102	17.10	36.376	26.56		1517.2							
12.3	OBS	00152	16.77	36.345	26.62		1517.0							
12.3	OBS	T00203	16.60	36.318	26.64		1517.3							
12.3	OBS	00306	15.59	36.145	26.74		1515.7							
12.3	OBS	T00407	14.01	35.846	26.86		1511.9							
12.3	OBS	00509	12.32	35.584	27.00		1507.7							
12.3	OBS	T00611	10.10	35.308	27.19		1501.2							
12.3	OBS	00817	07.38	35.171	27.52		1494.2							
12.3	OBS	T01022	05.75	35.121	27.70		1491.1							
12.3	OBS	T01537	04.42	35.050	27.80		1494.2							
15.2	OBS	T02009	03.83	35.008	27.83		1499.7							
15.2	OBS	02514	03.31	34.970	27.85		1506.0							
15.2	OBS	T03016	02.84	34.937	27.87		1512.7							
15.2	OBS	03519	02.49	34.910	27.88		1519.9							
15.2	OBS	04021	02.28	34.893	27.88		1527.8							
15.2	OBS	T04444	02.21	34.876	27.88		1535.0							

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REFID 31 1655 YEAR 1970 BOTDP 04114 AIR TEMP 25.0 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 07 SHIP DU WET BULB 23.0 30 3 3 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 08 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.7 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E43 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	24.90	36.555	24.57		1536.3							
12.7	OBS	00025	22.04	36.497	25.36		1529.7							
12.7	OBS	00051	18.72	36.427	26.20		1521.1							
12.7	OBS	00076	17.60	36.416	26.47		1518.3							
12.7	OBS	00103	17.15	36.397	26.57		1517.4							
12.7	OBS	00153	16.94	36.380	26.60		1517.5							
12.7	OBS	T00204	16.68	36.326	26.63		1517.5							
12.7	OBS	00307	15.74	36.164	26.72		1516.2							
12.7	OBS	T00408	14.40	35.920	26.83		1513.3							
12.7	OBS	00511	12.53	35.617	26.98		1508.4							
12.7	OBS	T00612	10.37	35.335	27.17		1502.2							
12.7	OBS	00817	07.49	35.176	27.51		1494.6							
12.7	OBS	T01021	05.77	35.101	27.68		1491.1							
12.7	OBS	T01532	04.12	34.984	27.78		1492.8							

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REFID 31 1655 YEAR 1970 BOTDP 04389 AIR TEMP 26.5 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 07 SHIP DU WET BULB 24.1 31 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 09 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E43 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	25.37	36.574	24.44		1537.4							
12.9	OBS	00025	21.49	36.450	25.48		1528.2							
12.9	OBS	00051	18.18	36.406	26.32		1519.5							
12.9	OBS	00077	17.29	36.399	26.53		1517.4							
12.9	OBS	00103	17.06	36.380	26.58		1517.1							
12.9	OBS	00153	16.95	36.391	26.61		1517.6							
12.9	OBS	T00204	16.74	36.336	26.62		1517.7							
12.9	OBS	00307	15.72	36.146	26.71		1516.1							
12.9	OBS	T00408	14.08	35.854	26.85		1512.2							
12.9	OBS	00511	12.61	35.628	26.98		1508.7							
12.9	OBS	T00612	10.48	35.341	27.15		1502.6							
12.9	OBS	00817	07.57	35.156	27.48		1494.9							
12.9	OBS	T01020	05.70	35.092	27.68		1490.8							
12.9	OBS	T01531	04.50	35.054	27.80		1494.4							

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TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTDP 04206 AIR TEMP 25.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 07 SHIP DU WET BULB 20.0 00 0 X WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 10 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.4 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E43 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	25.17	36.554	24.48		1537.0							
12.4	OBS	00025	20.72	36.472	25.71		1526.2							
12.4	OBS	00050	18.12	36.410	26.34		1519.3							
12.4	OBS	00075	17.25	36.399	26.54		1517.2							
12.4	OBS	00100	17.09	36.397	26.58		1517.1							
12.4	OBS	00150	16.96	36.398	26.61		1517.6							
12.4	OBS	T00201	16.74	36.357	26.63		1517.7							
12.4	OBS	00301	15.57	36.125	26.73		1515.5							
12.4	OBS	T00402	14.25	35.895	26.84		1512.7							
12.4	OBS	00502	12.65	35.642	26.98		1508.7							
12.4	OBS	T00603	10.68	35.385	27.15		1503.2							
12.4	OBS	00805	07.69	35.205	27.50		1495.3							
12.4	OBS	T01009	05.81	35.106	27.68		1491.1							
12.4	OBS	T01521	04.15	34.990	27.78		1492.7							

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REFID 31 1655 YEAR 1970 BOTDP 03931 AIR TEMP 25.0 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 07 SHIP DU WET BULB 21.5 49 1 X WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 11 DATA USE 1 BAROMETR 1023.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.9 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E43 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	24.97	36.538	24.53		1536.5							
12.9	OBS	00025	20.14	36.402	25.81		1524.6							
12.9	OBS	00051	18.22	36.386	26.30		1519.6							
12.9	OBS	00077	17.44	36.379	26.48		1517.8							
12.9	OBS	00103	17.01	36.356	26.57		1516.9							
12.9	OBS	00153	16.70	36.337	26.63		1516.8							
12.9	OBS	T00205	16.40	36.285	26.66		1516.7							
12.9	OBS	00307	15.33	36.082	26.75		1514.8							
12.9	OBS	T00409	13.88	35.831	26.87		1511.5							
12.9	OBS	00512	12.48	35.618	26.99		1508.3							
12.9	OBS	T00613	10.56	35.378	27.17		1503.0							
12.9	OBS	00818	07.53	35.170	27.50		1494.8							
12.9	OBS	T01024	05.73	35.115	27.70		1491.1							
12.9	OBS	T01541	04.44	35.053	27.80		1494.4							

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REFID 31 1655 YEAR 1970 BOTDP 03840 AIR TEMP 26.0 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 07 SHIP DU WET BULB 22.0 14 0 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.6 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E43 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	24.95	36.480	24.49		1536.4							
12.6	OBS	00025	21.05	36.421	25.58		1527.0							
12.6	OBS	00050	18.23	36.392	26.30		1519.6							
12.6	OBS	00075	17.32	36.376	26.51		1517.4							
12.6	OBS	00100	16.99	36.395	26.60		1516.8							
12.6	OBS	00150	16.56	36.317	26.65		1516.3							
12.6	OBS	T00200	16.40	36.294	26.67		1516.6							
12.6	OBS	00300	15.49	36.132	26.75		1515.2							
12.6	OBS	T00400	14.31	35.923	26.85		1512.9							
12.6	OBS	00500	12.80	35.694	26.99		1509.3							
12.6	OBS	T00600	11.08	35.430	27.11		1504.7							

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REFID 31 1655 YEAR 1970 BOTDP 04389 AIR TEMP 28.2 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 07 SHIP DU WET BULB 23.1 19 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 16.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E43 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.3	OBS	00000	25.49	36.538	24.37		1537.7							
16.3	OBS	00022	20.85	36.506	25.70		1526.5							
16.3	OBS	00044	18.46	36.424	26.26		1520.2							
16.3	OBS	00066	17.50	36.420	26.50		1517.8							
16.3	OBS	00087	17.17	36.409	26.57		1517.2							
16.3	OBS	00130	17.02	36.410	26.61		1517.4							
16.3	OBS	T00173	16.83	36.380	26.63		1517.5							
16.3	OBS	00255	16.43	36.303	26.67		1517.6							
16.3	OBS	T00335	15.52	36.130	26.74		1515.9							
16.3	OBS	00414	14.26	35.903	26.85		1512.9							
16.3	OBS	T00492	13.36	35.778	26.94		1511.1							
16.3	OBS	00651	10.49	35.380	27.18		1503.3							
16.3	OBS	T00815	07.59	35.153	27.48		1495.0							
16.3	OBS	T01252	04.99	35.083	27.76		1491.8							

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TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTDP 04389 AIR TEMP 25.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 07 SHIP DU WET BULB 20.0 35 3 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 15 DATA USE 1 BAROMETR 1023.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 13.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E43 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	25.22	36.515	24.44		1537.0							
13.2	OBS	00026	21.41	36.473	25.52		1520.0							
13.2	OBS	00052	18.27	36.381	26.28		1519.8							
13.2	OBS	00079	17.42	36.399	26.50		1517.8							
13.2	OBS	00105	17.08	36.383	26.57		1517.2							
13.2	OBS	00159	16.93	36.377	26.60		1517.6							
13.2	OBS	T00212	16.84	36.367	26.62		1518.2							
13.2	OBS	00319	16.22	36.252	26.68		1517.9							
13.2	OBS	T00426	14.82	35.980	26.78		1515.0							
13.2	OBS	00535	13.00	35.695	26.95		1510.5							
13.2	OBS	T00644	10.94	35.408	27.12		1504.9							
13.2	OBS	00862	07.25	35.150	27.52		1494.4							
13.2	OBS	T01078	05.68	35.101	27.69		1491.7							
13.2	OBS	T01628	04.17	35.011	27.80		1494.6							

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REFID 31 1655 YEAR 1970 BOTDP 03200 AIR TEMP 22.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 07 SHIP DU WET BULB 17.0 35 6 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 13.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E43 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	24.43	36.470	24.64		1535.1							
13.1	OBS	00025	20.56	36.484	25.76		1525.8							
13.1	OBS	00049	17.82	36.444	26.44		1516.5							
13.1	OBS	00074	17.32	36.437	26.56		1517.4							
13.1	OBS	00098	17.19	36.420	26.58		1517.4							
13.1	OBS	00148	17.10	36.408	26.59		1518.0							
13.1	OBS	T00198	17.00	36.388	26.60		1518.5							
13.1	OBS	00299	16.31	36.254	26.66		1517.9							
13.1	OBS	T00402	14.87	35.990	26.78		1514.8							
13.1	OBS	00507	13.34	35.750	26.92		1511.3							
13.1	OBS	00612	11.61	35.506	27.07		1506.8							
13.1	OBS	00826	07.49	35.178	27.51		1494.8							
13.1	OBS	T01042	06.09	35.126	27.66		1492.8							
13.1	OBS	T01588	04.14	34.994	27.75		1493.8							

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REFID 31 1655 YEAR 1970 BOTDP 02606 AIR TEMP 22.3 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 07 SHIP DU WET BULB 18.5 02 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 17 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 13.3 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E43 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	24.50	36.481	24.63		1535.3							
13.3	OBS	00023	21.32	36.510	25.57		1527.8							
13.3	OBS	00045	18.27	36.422	26.31		1519.7							
13.3	OBS	00068	17.41	36.409	26.51		1517.6							
13.3	OBS	00091	17.21	36.411	26.56		1517.4							
13.3	OBS	00137	17.12	36.414	26.59		1517.9							
13.3	OBS	T00183	17.09	36.400	26.58		1518.5							
13.3	OBS	00273	16.78	36.343	26.61		1519.0							
13.3	OBS	T00366	15.82	36.161	26.70		1517.4							
13.3	OBS	00461	14.54	35.932	26.81		1514.6							
13.3	OBS	T00556	13.00	35.690	26.94		1510.9							
13.3	OBS	00750	08.63	35.153	27.32		1497.8							
13.3	OBS	T00951	06.38	35.138	27.63		1492.5							
13.3	OBS	T01485	04.28	35.003	27.78		1492.7							

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REFID 31 1655 YEAR 1970 BOTDP 04480 AIR TEMP 24.5 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 07 SHIP DU WET BULB 20.0 09 3 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 18 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 17 W HOUR 13.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E43 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	24.59	36.490	24.61		1535.5							
13.9	OBS	00024	23.52	36.494	24.93		1533.4							
13.9	OBS	00047	18.65	36.398	26.20		1520.8							
13.9	OBS	00070	17.71	36.428	26.45		1518.5							
13.9	OBS	00093	17.19	36.400	26.56		1517.3							
13.9	OBS	00140	16.95	36.384	26.61		1517.4							
13.9	OBS	T00187	16.80	36.349	26.61		1517.6							
13.9	OBS	00279	15.96	36.190	26.69		1516.4							
13.9	OBS	T00371	15.00	36.020	26.78		1514.7							
13.9	OBS	00464	13.78	35.817	26.88		1512.1							
13.9	OBS	T00556	12.47	35.616	26.99		1509.0							
13.9	OBS	00744	08.56	35.155	27.33		1497.5							
13.9	OBS	T00935	06.22	35.063	27.59		1491.5							
13.9	OBS	T01445	04.58	35.057	27.79		1493.3							

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TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTDP 03200 AIR TEMP 24.9 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 07 SHIP DU WET BULB 22.3 14 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 19 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 13.5 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E43 C19 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	23.49	36.062	24.62		1532.4							
13.5	OBS	00022	21.30	36.209	25.35		1527.4							
13.5	OBS	00044	18.74	36.357	26.14		1521.0							
13.5	OBS	00066	18.10	36.448	26.37		1519.6							
13.5	OBS	00087	17.76	36.470	26.47		1519.0							
13.5	OBS	00131	17.36	36.436	26.55		1518.5							
13.5	OBS	T00174	17.11	36.400	26.58		1518.4							
13.5	OBS	00259	17.08	36.421	26.60		1519.8							
13.5	OBS	T00342	16.66	36.324	26.63		1519.7							
13.5	OBS	00426	15.94	36.206	26.71		1518.8							
13.5	OBS	T00510	14.61	35.937	26.80		1515.7							
13.5	OBS	00678	11.75	35.509	27.05		1508.4							
13.5	OBS	T00848	08.13	35.158	27.40		1497.6							
13.5	OBS	T01312	04.97	35.077	27.76		1492.7							

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REFID 31 1655 YEAR 1970 BOTDP 04663 AIR TEMP 26.0 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0020 MONTH 07 SHIP DU WET BULB 23.3 29 0 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 00.5N DAY 20 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 14.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E43 020 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.3	OBS	00000	24.05	36.063	24.45		1533.8							
14.3	OBS	00024	22.92	36.124	24.83		1531.5							
14.3	OBS	00048	19.16	36.206	25.92		1522.0							
14.3	OBS	00072	18.06	36.359	26.31		1519.5							
14.3	OBS	00097	17.55	36.412	26.48		1518.5							
14.3	OBS	00144	17.21	36.416	26.57		1518.2							
14.3	OBS	T00193	17.12	36.416	26.59		1518.8							
14.3	OBS	00290	16.68	36.333	26.63		1519.0							
14.3	OBS	T00387	15.86	36.189	26.71		1517.9							
14.3	OBS	00485	14.62	35.961	26.81		1515.3							
14.3	OBS	T00582	12.80	35.655	26.96		1510.6							
14.3	OBS	00779	08.59	35.184	27.35		1496.2							

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REFID 31 1655 YEAR 1970 BOTDP 01920 AIR TEMP 25.5 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0021 MONTH 07 SHIP DU WET BULB 23.5 35 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 21 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 13.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E43 021 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	24.32	36.154	24.44		1534.5							
13.9	OBS	00024	22.11	36.258	25.16		1529.6							
13.9	OBS	00047	19.36	36.447	26.05		1522.8							
13.9	OBS	00070	18.03	36.387	26.34		1519.4							
13.9	OBS	00092	17.64	36.424	26.47		1518.7							
13.9	OBS	00139	17.22	36.416	26.56		1518.2							
13.9	OBS	T00186	17.15	36.421	26.59		1518.8							
13.9	OBS	00283	16.89	36.377	26.61		1519.5							
13.9	OBS	T00383	16.26	36.305	26.71		1519.2							
13.9	OBS	00487	15.04	36.036	26.78		1516.8							
13.9	OBS	T00592	13.35	35.727	26.90		1512.7							
13.9	OBS	00809	08.63	35.150	27.31		1498.8							
13.9	OBS	T01027	06.48	35.177	27.65		1494.2							
13.9	OBS	T01574	04.28	35.023	27.80		1494.2							

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REFID 31 1655 YEAR 1970 BOTDP 04663 AIR TEMP 24.5 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0022 MONTH 07 SHIP DU WET BULB 19.8 03 0 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 22 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 35 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E43 022 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.40	36.253	24.49		1534.6							
12.3	OBS	00025	22.11	36.453	25.31		1529.8							
12.3	OBS	00050	19.32	36.418	26.04		1522.7							
12.3	OBS	00075	17.83	36.413	26.41		1518.9							
12.3	OBS	00100	17.27	36.380	26.52		1517.7							
12.3	OBS	00150	16.96	36.376	26.60		1517.5							
12.3	OBS	T00200	16.83	36.357	26.61		1513.0							
12.3	OBS	00300	16.38	36.279	26.66		1518.2							
12.3	OBS	T00399	15.05	36.020	26.76		1515.3							
12.3	OBS	00499	13.68	35.789	26.88		1512.3							
12.3	OBS	T00598	12.16	35.558	27.01		1508.5							
12.3	OBS	00799	08.50	35.192	27.37		1498.2							
12.3	OBS	01000	06.10	35.082	27.63		1492.1							
12.3	OBS	T01504	04.44	35.024	27.78		1493.7							

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TABLE XXIII.–Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station ECHO, 22 July 1970 - 14 August 1970, prepared from NODC listing No. 31 - 1682.

REFID 31 1682	YEAR 1970	BOTDP 05212	AIR TEMP 26.0	DIR HGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 07	SHIP AZ	WET BULB 22.0	21 3 3	WIND-SPD 05	TRACE DIR	5 SQUARE 2
LAT 34 52 N	DAY 26	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 18.1	AREA 05	CLOUD T/A 3/7	CL/TR	WEATHER X1	ORIG E44 001	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	24.26	36.195	24.49		1534.4							
18.1	OBS	00023	20.59	36.308	25.62		1525.6							
18.1	OBS	00044	18.29	36.345	26.25		1519.7							
18.1	OBS	00072	17.75	36.503	26.50		1518.7							
18.1	OBS	00097	17.62	36.463	26.50		1518.7							
18.1	OBS	00144	17.48	36.516	26.58		1519.2							
18.1	OBS	00289	17.08	36.445	26.62		1520.3							
18.1	OBS	00385	16.62	36.337	26.65		1520.3							
18.1	OBS	00482	14.19	35.886	26.85		1513.8							
18.1	OBS	00579		35.588										
18.1	OBS	00773	07.84	35.105	27.40		1495.2							
18.1	OBS	T00967	06.30	35.159	27.66		1492.4							
18.1	OBS	T01455	04.63	35.078	27.80		1493.7							

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REFID 31 1682	YEAR 1970	BOTDP 04755	AIR TEMP 22.3	DIR HGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP AZ	WET BULB 18.3	4 2	WIND-SPD 13	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 28	DATA USE 1	BAROMETR 1026.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 04 W	HOUR 12.5	AREA 05	CLOUD T/A 8/1	CL/TR	WEATHER X1	ORIG E44 002	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	24.15	35.873	24.28		1533.8							
12.5	OBS	00022	22.59	35.846	24.71		1530.3							
12.5	OBS	00043	19.39	36.434	26.03		1522.8							
12.5	OBS	00065	18.33	36.435	26.21		1520.2							
12.5	OBS	00081	17.97	36.453	26.41		1519.5							
12.5	OBS	00131	17.49	36.472	26.54		1518.9							
12.5	OBS	00174	17.15	36.459	26.61		1518.6							
12.5	OBS	00260	16.97	36.449	26.65		1519.5							
12.5	OBS	T00346	16.36	36.277	26.66		1518.8							
12.5	OBS	00435	15.69	36.159	26.73		1518.1							
12.5	OBS	00522	14.50	35.911	26.80		1515.5							
12.5	OBS	00700		35.389										
12.5	OBS	T00879	07.65	35.200	27.50		1496.3							

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REFID 31 1682	YEAR 1970	BOTDP 04572	AIR TEMP 23.4	DIR HGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP AZ	WET BULB 18.9	4 2	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 58 N	DAY 29	DATA USE 1	BAROMETR 1025.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 58 W	HOUR 12.4	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X1	ORIG E44 003	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.26	35.904	24.27		1534.1							
12.4	OBS	00027	21.01	35.994	25.27		1526.4							
12.4	OBS	00053	18.69	36.389	26.18		1521.0							
12.4	OBS	00079	18.16	36.462	26.37		1520.0							
12.4	OBS	00105	17.85	36.491	26.47		1519.6							
12.4	OBS	00159	17.61	36.473	26.51		1519.7							
12.4	OBS	00212	17.31	36.438	26.56		1519.7							
12.4	OBS	00317	17.00	36.410	26.61		1520.5							
12.4	OBS	T00422	15.70	36.146	26.71		1517.9							
12.4	OBS	00529	13.93	35.824	26.86		1513.6							
12.4	OBS	T00634	12.83	35.670	26.96		1511.5							
12.4	OBS	00845	07.66	35.124	27.44		1495.7							

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REFID 31 1682	YEAR 1970	BOTDP 04846	AIR TEMP 24.0	DIR HGT PER	WIND-DIR 10	INST NANSEN CAST	TEN SQ 1206
CONSEC 0004	MONTH 07	SHIP AZ	WET BULB 21.5	14 1 2	WIND-SPD 13	TRACE DIR	5 SQUARE 2
LAT 34 56.2N	DAY 30	DATA USE 1	BAROMETR 1024.7	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 54 W	HOUR 12.3	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG E44 004	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.18	36.137	24.47		1534.2							
12.3	OBS	00025	24.12	36.227	24.55		1534.5							
12.3	OBS	00049	19.58	36.328	25.90		1523.3							
12.3	OBS	00074	17.77	36.314	26.35		1518.6							
12.3	OBS	00098	17.52	36.430	26.50		1518.4							
12.3	OBS	00199	17.12	36.430	26.60		1518.9							
12.3	OBS	00300	16.82	36.366	26.62		1519.6							
12.3	OBS	T00402	15.76	36.171	26.72		1517.8							
12.3	OBS	00505	14.30	35.916	26.85		1514.6							
12.3	OBS	T00609	12.46	35.590	26.98		1509.8							
12.3	OBS	00815	07.89	35.123	27.41		1496.1							
12.3	OBS	T01021	05.40	35.044	27.68		1489.6							
12.3	OBS	T01542	04.03	34.975	27.78		1492.6							

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TABLE XXIII.—Continued

REFID 31 1682 YEAR 1970 BOTDP 04800 AIR TEMP 26.1 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 07 SHIP AZ WET BULB 23.3 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 31 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E44 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.21	36.128	24.45		1534.2							
12.3	OBS	00027	23.20	36.314	24.89		1532.4							
12.3	OBS	00052	18.72	36.476	26.24		1521.2							
12.3	OBS	00078	17.85	36.479	26.46		1519.1							
12.3	OBS	00104	17.43	36.439	26.53		1518.3							
12.3	OBS	00156	17.19	36.431	26.58		1518.4							
12.3	OBS	00208	17.12	36.427	26.60		1519.0							
12.3	OBS	00312	16.37	36.244	26.64		1518.3							
12.3	OBS	00418	14.90	36.029	26.80		1515.2							
12.3	OBS	00524		35.794										
12.3	OBS	00631	10.86	35.402	27.13		1504.3							
12.3	OBS	00845	06.80	35.076	27.53		1492.3							
12.3	OBS	T01061	05.43	35.110	27.73		1490.4							
12.3	OBS	T01606	03.97	34.994	27.81		1493.4							

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REFID 31 1682 YEAR 1970 BOTDP 04800 AIR TEMP 24.4 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 08 SHIP AZ WET BULB 21.6 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 01 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 9/5 CL/TR WEATHER X1 ORIG E44 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.29	36.128	24.43		1534.4							
12.3	OBS	00028	22.52	36.315	25.05		1530.7							
12.3	OBS	00054	19.13	36.394	26.07		1522.3							
12.3	OBS	00082	17.74	36.393	26.42		1518.8							
12.3	OBS	00109	17.65	36.383	26.43		1518.9							
12.3	OBS	00164	16.83	36.350	26.61		1517.4							
12.3	OBS	T00219	16.65	36.329	26.63		1517.7							
12.3	OBS	00328	15.92	36.194	26.70		1517.1							
12.3	OBS	T00438	14.32	35.875	26.81		1515.5							
12.3	OBS	00548	12.88	35.684	26.96		1510.3							
12.3	OBS	T00658	10.63	35.362	27.14		1503.9							
12.3	OBS	00879	06.90	35.109	27.54		1493.3							
12.3	OBS	T01099	05.24	35.075	27.73		1490.3							
12.3	OBS	T01648	03.97	34.989	27.80		1494.1							

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REFID 31 1682 YEAR 1970 BOTDP 04938 AIR TEMP 24.4 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 08 SHIP AZ WET BULB 23.9 13 1 3 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 39 N DAY 02 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 12.4 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E44 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.55	36.022	24.27		1534.9							
12.4	OBS	00025	22.47	36.352	25.13		1530.6							
12.4	OBS	00051	18.63	36.299	26.13		1520.7							
12.4	OBS	00076	18.01	36.399	26.36		1519.4							
12.4	OBS	00102	17.50	36.456	26.53		1518.5							
12.4	OBS	00152	17.15	36.419	26.58		1518.2							
12.4	OBS	T00203	17.01	36.414	26.61		1518.6							
12.4	OBS	00305	16.40	36.300	26.67		1518.3							
12.4	OBS	00508	13.96	35.863	26.88		1513.4							
12.4	OBS	T00609	12.47	35.631	27.01		1509.9							
12.4	OBS	00812	07.69	35.114	27.43		1495.2							
12.4	OBS	T01015	05.48	35.051	27.68		1489.8							
12.4	OBS	T01523	04.22	35.004	27.79		1493.1							

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REFID 31 1682 YEAR 1970 BOTDP 04572 AIR TEMP 24.7 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 08 SHIP AZ WET BULB 21.3 16 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 03 DATA USE 1 BAROMETR 1029.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E44 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.80	36.587	24.62		1536.1							
12.2	OBS	00024	24.66	36.547	24.63		1536.2							
12.2	OBS	00050	19.72	36.389	25.91		1523.8							
12.2	OBS	00074	18.12	36.396	26.33		1519.7							
12.2	OBS	00099	17.37	36.397	26.51		1518.0							
12.2	OBS	00147	16.82	36.344	26.61		1517.0							
12.2	OBS	T00195	16.60	36.310	26.63		1517.1							
12.2	OBS	00291	16.03	36.201	26.68		1516.8							
12.2	OBS	T00385	15.06	36.036	26.77		1515.2							
12.2	OBS	00481	13.40	35.724	26.89		1511.0							
12.2	OBS	T00571	12.44	35.606	26.99		1509.1							
12.2	OBS	00756	08.87	35.174	27.29		1498.9							
12.2	OBS	T00952	05.83	35.001	27.60		1490.1							
12.2	OBS	T01423	04.46	35.010	27.77		1492.4							

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TABLE XXIII.—Continued

REFID 31 1682 YEAR 1970 BOTDP 04572 AIR TEMP 25.0 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 08 SHIP AZ WET BULB 18.5 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 04 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 12.4 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E44 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.82	36.552	24.55		1536.1							
12.4	OBS	00022	22.29	36.427	25.24		1530.2							
12.4	OBS	00045	19.82	36.430	25.92		1524.1							
12.4	OBS	00068	18.02	36.402	26.36		1519.3							
12.4	OBS	00091	17.37	36.378	26.50		1517.8							
12.4	OBS	00136	17.01	36.359	26.57		1517.4							
12.4	OBS	T00181	16.84	36.346	26.60		1517.7							
12.4	OBS	00272	16.34	36.269	26.66		1517.6							
12.4	OBS	T00362	15.74	36.165	26.72		1517.1							
12.4	OBS	00452	14.07	35.835	26.83		1512.9							
12.4	OBS	T00539	12.65	35.615	26.96		1509.3							
12.4	OBS	00714		35.397										
12.4	OBS	T00887	07.01	35.090	27.51		1495.8							
12.4	OBS	T01309	04.58	35.016	27.76		1491.0							

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REFID 31 1682 YEAR 1970 BOTDP 03658 AIR TEMP 24.7 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 08 SHIP AZ WET BULB 20.9 14 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E44 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.84	36.561	24.55		1536.2							
12.2	OBS	00023	23.97	36.528	24.83		1534.5							
12.2	OBS	00047	19.03	36.394	26.10		1521.9							
12.2	OBS	00069	17.95	36.400	26.37		1519.2							
12.2	OBS	00093	17.24	36.372	26.53		1517.4							
12.2	OBS	00138	16.90	36.352	26.59		1517.1							
12.2	OBS	T00185	16.74	36.340	26.62		1517.4							
12.2	OBS	00274	16.23	36.240	26.66		1517.3							
12.2	OBS	T00366	15.37	36.103	26.76		1515.9							
12.2	OBS	00456	14.14	35.881	26.86		1513.2							
12.2	OBS	T00544	12.66	35.610	26.95		1509.4							
12.2	OBS	00720	09.76	35.287	27.24		1501.7							
12.2	OBS	T00895	07.16	35.126	27.52		1494.6							
12.2	OBS	T01342	04.67	35.017	27.75		1491.9							

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REFID 31 1682 YEAR 1970 BOTDP 04801 AIR TEMP 24.8 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 08 SHIP AZ WET BULB 22.0 13 1 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 06 DATA USE 1 BAROMETR 1031.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.4 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E44 011 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.86	36.595	24.61		1536.3							
12.4	OBS	00023	24.80	36.597	24.63		1536.5							
12.4	OBS	00045	18.77	36.353	26.13		1521.0							
12.4	OBS	00067	17.66	36.396	26.44		1518.3							
12.4	OBS	00089	17.56	36.444	26.50		1518.4							
12.4	OBS	00134	17.02	36.371	26.58		1517.5							
12.4	OBS	T00179	16.84	36.352	26.61		1517.6							
12.4	OBS	00265	16.41	36.286	26.66		1517.7							
12.4	OBS	00351	15.47	36.117	26.74		1516.0							
12.4	OBS	00434	14.46	35.962	26.85		1514.0							
12.4	OBS	T00516	13.37	35.762	26.93		1511.5							
12.4	OBS	00675		35.481										
12.4	OBS	T01248	05.02	35.057	27.74		1491.8							

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REFID 31 1682 YEAR 1970 BOTDP 04938 AIR TEMP 25.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 08 SHIP AZ WET BULB 22.0 04 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2
LAT 34 54.0N DAY 07 DATA USE 1 BAROMETR 1028.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57.5W HOUR 12.2 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E44 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	25.00	36.613	24.58		1536.6							
12.2	OBS	00023	24.15	36.566	24.80		1534.9							
12.2	OBS	00045	19.37	36.388	26.00		1522.8							
12.2	OBS	00067	17.76	36.392	26.41		1518.6							
12.2	OBS	00089	17.20	36.382	26.54		1517.3							
12.2	OBS	00134		36.376										
12.2	OBS	T00177	16.73	36.355	26.64		1517.3							
12.2	OBS	00263	16.12	36.232	26.68		1516.7							
12.2	OBS	00345	15.32	36.085	26.75		1515.4							
12.2	OBS	00428	14.18	35.906	26.87		1512.9							
12.2	OBS	T00510	13.16	35.728	26.94		1510.7							
12.2	OBS	00675	10.12	35.369	27.24		1502.4							
12.2	OBS	T00844	08.57	35.386	27.51		1499.5							
12.2	OBS	T01295	04.57	35.002	27.75		1490.7							

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TABLE XXIII.—Continued

REFID 31 1682 YEAR 1970 BOTDP 04755 AIR TEMP 25.5 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 08 SHIP AZ WET BULB 21.0 09 2 3 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 08 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.2 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E44 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.91	36.514	24.53		1536.3							
12.2	OBS	00029	20.84	36.198	25.47		1526.3							
12.2	OBS	00057	17.98	36.417	26.38		1519.1							
12.2	OBS	00086	17.31	36.398	26.53		1517.6							
12.2	OBS	00115	16.89	36.357	26.60		1516.7							
12.2	OBS	00173	16.76	36.356	26.63		1517.3							
12.2	OBS	T00230	16.38	36.294	26.67		1517.0							
12.2	OBS	00345	15.27	36.092	26.77		1515.2							
12.2	OBS	T00457	13.76	35.814	26.88		1511.9							
12.2	OBS	00569	12.46											
12.2	OBS	T00678	10.52	35.392	27.19		1503.9							
12.2	OBS	00996	08.05											
12.2	OBS	T01113	05.81											
12.2	OBS	T01703	04.02	34.998	27.80		1495.3							

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REFID 31 1682 YEAR 1970 BOTDP 04663 AIR TEMP 23.8 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 08 SHIP AZ WET BULB 20.3 08 2 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 09 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09 W HOUR 12.2 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E44 014 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.97	36.535	24.53		1536.5							
12.2	OBS	00023	24.84	36.520	24.56		1536.5							
12.2	OBS	00044	18.85	36.386	26.14		1521.3							
12.2	OBS	00067	17.50	36.394	26.48		1517.8							
12.2	OBS	00089	17.09	36.480	26.65		1517.1							
12.2	OBS	00134	16.75	36.369	26.64		1516.7							
12.2	OBS	T00178	16.61	36.352	26.66		1516.9							
12.2	OBS	00268	15.93	36.212	26.71		1516.2							
12.2	OBS	T00356	15.07	36.062	26.79		1514.8							
12.2	OBS	00445	14.10	35.886	26.87		1512.9							
12.2	OBS	T00533	12.80	35.653	26.96		1509.8							
12.2	OBS	00710	10.09	35.361	27.24		1502.8							
12.2	OBS	T00886	08.38	35.397	27.55		1499.5							
12.2	OBS	T01328	04.81	35.056	27.76		1492.3							

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REFID 31 1682 YEAR 1970 BOTDP 01280 AIR TEMP 24.5 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 08 SHIP AZ WET BULB 22.7 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 10 DATA USE 1 BAROMETR 1023.6 SEA 4 WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 12.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E44 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.04	36.550	24.52		1536.7							
12.1	OBS	00022	23.26	36.305	24.87		1532.5							
12.1	OBS	00045	19.53	36.390	25.96		1523.2							
12.1	OBS	00066	18.13	36.457	26.37		1519.7							
12.1	OBS	00089	17.59	36.472	26.52		1518.5							
12.1	OBS	00132	17.14	36.422	26.59		1517.8							
12.1	OBS	T00175	17.08	36.454	26.63		1518.4							
12.1	OBS	00259	16.62	36.354	26.66		1518.3							
12.1	OBS	00341	15.85	36.237	26.75		1517.2							
12.1	OBS	00423	14.68	35.999	26.83		1514.5							
12.1	OBS	T00503	13.52	35.786	26.91		1511.8							
12.1	OBS	00660		35.482										
12.1	OBS	T00816	09.09	35.356	27.40		1500.9							
12.1	OBS	T01199	04.78	34.998	27.72		1489.9							

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TABLE XXIII.—Continued

REFID 31 1682 YEAR 1970 BOTDP 03931 AIR TEMP 24.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 08 SHIP AZ WET BULB 21.9 14 2 3 WIND-SPD 06 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 11 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.3 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E44 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	C0000	24.76	36.343	24.45		1535.8							
12.3	OBS	00023	21.09	36.310	25.46		1527.0							
12.3	OBS	00046	18.48	36.418	26.25		1520.3							
12.3	OBS	00066	17.94	36.465	26.43		1519.2							
12.3	OBS	00089	17.73	36.493	26.50		1519.0							
12.3	OBS	00131	17.18	36.420	26.58		1517.9							
12.3	OBS	T00175	17.10	36.429	26.60		1518.4							
12.3	OBS	00257	16.81											
12.3	OBS	00340	16.25	36.260	26.68		1518.4							
12.3	OBS	00421	15.C7	36.034	26.77		1515.8							
12.3	OBS	T00500	14.09	35.864	26.85		1513.7							
12.3	OBS	00655		35.496										
12.3	OBS	T00809	08.52	35.248	27.41		1498.5							
12.3	OBS	T01194	04.95	35.032	27.73		1490.6							
13.9	OBS	T01663	04.04											
13.9	OBS	01888	03.86											
13.9	OBS	T02115	03.66											
13.9	OBS	T02346	03.48											
13.9	OBS	T02583	03.26											

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REFID 31 1682 YEAR 1970 BOTDP 04572 AIR TEMP 24.4 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 08 SHIP AZ WET BULB 22.0 14 2 2 WIND-SPD 03 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 12 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 15 W HOUR 12.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E44 017 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.96	36.537	24.53		1536.5							
12.3	OBS	00025	19.92	36.420	25.88		1524.0							
12.3	OBS	00050	18.58	36.501	26.25		1520.8							
12.3	OBS	00074	17.91	36.492	26.45		1519.2							
12.3	OBS	00099	17.70	36.460	26.48		1519.0							
12.3	OBS	00148	17.37	36.453	26.56		1518.8							
12.3	OBS	T00197	17.10	36.416	26.59		1518.8							

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REFID 31 1682 YEAR 1970 BOTDP 04389 AIR TEMP 24.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 08 SHIP AZ WET BULB 22.0 14 2 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 13 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E44 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.71	36.328	24.45		1535.6							
12.3	OBS	00025	21.53	36.372	25.41		1528.2							
12.3	OBS	00050	18.57	36.445	26.25		1520.7							
12.3	OBS	00075	17.79	36.443	26.45		1518.8							
12.3	OBS	00100	17.44	36.450	26.54		1518.2							
12.3	OBS	00150		36.425										
12.3	OBS	00200	17.11	36.446	26.61		1518.9							
12.3	OBS	00299	16.87	36.387	26.63		1519.7							
12.3	OBS	T00399	16.21	36.247	26.67		1519.2							
12.3	OBS	00498	14.74	35.957	26.78		1515.9							
12.3	OBS	T00598	13.10	35.698	26.93		1511.9							
12.3	OBS	00798	09.25	35.295	27.33		1501.1							
12.3	OBS	T00998	05.95	35.045	27.62		1491.4							
12.3	OBS	T01496	04.36	34.999	27.77		1493.2							

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TABLE XXIV.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 14 August 1970 - 6 September 1970, prepared from NODC listing No. 31 - 1684.

REFID 31 1684 YEAR 1970 BOTDP 04938 AIR TEMP 26.5 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 08 SHIP BX WET BULB 23.4 28 2 6 WIND-SPD 03 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 15 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 12.9 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E45 001 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	25.76	36.134	23.98		1537.9							
12.9	OBS	00024	25.02	36.595	24.56		1537.1							
12.9	OBS	00050	19.55	36.454	26.01		1523.4							
12.9	OBS	00074	17.90	36.457	26.43		1519.2							
12.9	OBS	00100	17.49	36.460	26.53		1518.4							
12.9	OBS	00148	17.12	36.430	26.60		1518.1							
12.9	OBS	T00198	17.11	36.425	26.60		1518.8							
12.9	OBS	00299	16.71	36.342	26.63		1519.2							
12.9	OBS	00396	15.59	36.128	26.73		1517.1							
12.9	OBS	00496	13.70	35.779	26.87		1512.3							
12.9	OBS	T00594	12.52	35.752	27.09		1509.9							
12.9	OBS	00792	09.15	35.281	27.33		1500.6							
12.9	OBS	00989	05.98	35.070	27.63		1491.4							
12.9	OBS	T01484	03.92	35.066	27.67		1491.2							

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REFID 31 1684 YEAR 1970 BOTDP 02743 AIR TEMP 27.9 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 08 SHIP BX WET BULB 23.7 24 2 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 58.6N DAY 16 DATA USE 1 BAROMETR 1024.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01.3W HOUR 15.7 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E45 002 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.7	OBS	00000	25.98	36.114	23.90		1538.3							
15.7	OBS	00021	23.29	36.325	24.87		1532.5							
15.7	OBS	00043	19.66	36.439	25.97		1523.6							
15.7	OBS	00064	18.40	36.475	26.32		1520.5							
15.7	OBS	00084	17.82	36.462	26.45		1519.1							
15.7	OBS	00128	17.37	36.447	26.55		1518.5							
15.7	OBS	T00171	17.09	36.407	26.59		1518.3							
15.7	OBS	00259	17.02	36.414	26.61		1519.6							
15.7	OBS	00347	16.50	36.302	26.65		1519.3							
15.7	OBS	00437	15.47	36.116	26.74		1517.4							
15.7	OBS	T00529	14.54	36.051	26.90		1515.9							
15.7	OBS	00720	11.67	35.532	27.08		1508.8							
15.7	OBS	00915	07.98	35.189	27.45		1498.2							
15.7	OBS	T01412	04.74	35.043	27.76		1493.4							

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REFID 31 1684 YEAR 1970 BOTDP 04572 AIR TEMP 26.2 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 08 SHIP BX WET BULB 23.3 30 2 4 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 57.5N DAY 17 DATA USE 1 BAROMETR 1022.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53.5W HOUR 13.4 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E45 003 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	25.50	36.071	24.02		1537.2							
13.4	OBS	00024	24.04	36.103	24.48		1534.2							
13.4	OBS	00046	20.58	36.412	25.70		1526.1							
13.4	OBS	00069	18.65	36.475	26.26		1521.2							
13.4	OBS	00093	17.84	36.439	26.43		1519.3							
13.4	OBS	00139	17.36	36.432	26.54		1518.6							
13.4	OBS	T00186	17.13	36.415	26.59		1518.7							
13.4	OBS	00282	17.00	36.410	26.61		1519.9							
13.4	OBS	T00377	16.47	36.298	26.65		1519.7							
13.4	OBS	00475	15.14	36.052	26.77		1516.9							
13.4	OBS	T00575	13.43	35.943	27.05		1512.9							
13.4	OBS	00790	09.32	35.297	27.32		1501.3							
13.4	OBS	01117	06.81	35.196	27.62		1497.0							
13.4	OBS	T01635	04.12	34.978	27.78		1494.5							

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TABLE XXIV.—Continued

REFID 31 1684 YEAR 1970 BOTDP 04938 AIR TEMP 26.2 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 08 SHIP BX WET BULB 23.5 28 3 6 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 55.0N DAY 18 DATA USE 1 BAROMETR 1018.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53.0W HOUR 14.0 AREA 05 CLOUD T/A 9/7 CL/TR WEATHER Xo ORIG E45 004 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.0	OBS	00000	25.49	35.982	23.95		1537.1							
14.0	OBS	00027	25.36	36.654	24.50		1538.0							
14.0	OBS	00052	20.67	36.453	25.71		1526.5							
14.0	OBS	00079	18.71	36.498	26.26		1521.6							
14.0	OBS	00105	17.88	36.471	26.45		1519.6							
14.0	OBS	00158	17.25	36.417	26.56		1518.6							
14.0	OBS	T00210	16.95	36.365	26.59		1518.5							
14.0	OBS	00315	16.38	36.263	26.65		1518.4							
14.0	OBS	T00420	15.22	36.052	26.75		1516.3							
14.0	OBS	00526	13.63	35.791	26.89		1512.6							
14.0	OBS	00632	11.98	35.652	27.12		1508.6							
14.0	OBS	00847	08.15	35.175	27.41		1497.7							
14.0	OBS	T01063	06.46	35.208	27.68		1494.7							
14.0	OBS	T01613	04.16	34.987	27.78		1494.3							

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REFID 31 1684 YEAR 1970 BOTDP 04938 AIR TEMP 26.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 08 SHIP BX WET BULB 24.0 29 2 5 WIND-SPD 11 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 19 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 21.6 AREA 05 CLOUD T/A 3/2 CL/TR WEATHER X1 ORIG E45 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.6	OBS	00000	26.21	36.190	23.89		1538.9							
21.6	OBS	00025	24.96	36.548	24.54		1536.9							
21.6	OBS	00051	19.16	36.423	26.08		1522.3							
21.6	OBS	00076	17.85	36.467	26.45		1519.1							
21.6	OBS	00102	17.49	36.444	26.52		1518.4							
21.6	OBS	00152	17.09	36.397	26.58		1518.0							
21.6	OBS	T00202	17.04	36.412	26.61		1518.7							
21.6	OBS	00304	16.23	36.260	26.68		1517.7							
21.6	OBS	00405	15.02	36.039	26.79		1515.4							
21.6	OBS	00507	13.70	35.803	26.89		1512.5							
21.6	OBS	00608	12.03	35.622	27.08		1508.3							
21.6	OBS	00810	08.54	35.202	27.37		1498.6							
21.6	OBS	T01013	06.76	35.197	27.63		1495.1							
21.6	OBS	T01521	04.28	34.992	27.77		1493.3							

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REFID 31 1684 YEAR 1970 BOTDP 04709 AIR TEMP 25.6 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 08 SHIP BX WET BULB 23.6 31 2 6 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 02.0N DAY 21 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58.0W HOUR 12.3 AREA 05 CLOUD T/A 1/2 CL/TR WEATHER X1 ORIG E45 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	26.01	36.150	23.92		1538.4							
12.3	OBS	00025	25.73	36.204	24.05		1538.3							
12.3	OBS	00050	20.96	36.419	25.60		1527.2							
12.3	OBS	00074	18.29	36.389	26.28		1520.2							
12.3	OBS	00099	17.38	36.382	26.50		1518.0							
12.3	OBS	00148	16.90	36.368	26.60		1517.3							
12.3	OBS	T00197	16.56	36.260	26.62		1517.0							
12.3	OBS	00296	15.78	36.170	26.71		1516.1							
12.3	OBS	00394	14.49	35.906	26.80		1513.3							
12.3	OBS	00492	13.54	35.784	26.91		1511.7							
12.3	OBS	T00590	12.41	35.752	27.11		1509.5							
12.3	OBS	00786	08.94	35.227	27.32		1499.7							
12.3	OBS	T00981	06.85	35.189	27.61		1494.9							
12.3	OBS	T01471	04.56	35.028	27.77		1493.6							

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REFID 31 1684 YEAR 1970 BOTDP 04846 AIR TEMP 28.6 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 08 SHIP BX WET BULB 24.7 34 3 6 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 02.0N DAY 22 DATA USE 1 BAROMETR 1022.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14.0W HOUR 14.5 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E45 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.5	OBS	00000	26.19	36.146	23.86		1538.9							
14.5	OBS	00019	25.85	36.150	23.97		1538.4							
14.5	OBS	00039	24.00	36.525	24.82		1534.8							
14.5	OBS	00058	20.46	36.432	25.75		1526.0							
14.5	OBS	00078	18.54	36.390	26.22		1521.0							
14.5	OBS	00118	17.11	36.363	26.55		1517.5							
14.5	OBS	00157		36.373										
14.5	OBS	00235	16.57	36.309	26.64		1517.7							
14.5	OBS	00313	15.92	36.197	26.70		1516.9							
14.5	OBS	00390	15.27	36.073	26.76		1516.0							
14.5	OBS	T00465	14.24	35.967	26.90		1513.8							
14.5	OBS	00613		35.640										
14.5	OBS	T00753	10.19	35.375	27.23		1503.9							
14.5	OBS	T01132	05.17	35.008	27.68		1490.4							

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TABLE XXIV.—Continued

REFID 31 1684 YEAR 1970 BOTDP 03840 AIR TEMP 26.9 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 08 SHIP BX WET BULB 24.2 21 2 5 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 14.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E45 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.1	OBS	00000	26.14	36.165	23.89		1538.8							
14.1	OBS	00026	24.51	36.248	24.45		1535.5							
14.1	OBS	00051	21.63	36.437	25.43		1529.0							
14.1	OBS	00078	18.89	36.430	26.16		1522.0							
14.1	OBS	00104	17.87	36.438	26.42		1519.5							
14.1	OBS	00155	17.12	36.386	26.57		1518.1							
14.1	OBS	00206		36.368										
14.1	OBS	00308	16.32	36.274	26.67		1518.1							
14.1	OBS	00409	15.40	36.106	26.75		1516.7							
14.1	OBS	00511	13.91	35.829	26.86		1513.3							
14.1	OBS	T00612	12.74	35.814	27.09		1511.1							
14.1	OBS	00816	09.07	35.274	27.34		1500.7							
14.1	OBS	T01021	06.53	35.166	27.63		1494.3							
14.1	OBS	T01568	04.34	35.011	27.78		1494.3							

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REFID 31 1684 YEAR 1970 BOTDP 04481 AIR TEMP 27.9 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 08 SHIP BX WET BULB 24.1 27 1 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 25 DATA USE 1 BAROMETR 1024.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56.5W HOUR 18.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E45 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.8	OBS	00000	26.67	36.127	23.69		1539.9							
18.8	OBS	00025	25.67	36.109	23.99		1538.0							
18.8	OBS	00051	21.47	36.450	25.49		1528.6							
18.8	OBS	00076	19.22	36.478	26.11		1523.0							
18.8	OBS	00102	18.33	36.478	26.34		1520.9							
18.8	OBS	00152	17.69	36.474	26.49		1519.9							
18.8	OBS	T00203	17.20	36.414	26.57		1519.2							
18.8	OBS	00305	16.90	36.389	26.62		1519.9							
18.8	OBS	T00406	16.02	36.194	26.68		1518.7							
18.8	OBS	00508	14.84	35.987	26.79		1516.4							
18.8	OBS	T00609	13.30	35.748	26.93		1512.8							
18.8	OBS	00812	08.92	35.194	27.30		1500.0							
18.8	OBS	01015	07.49	35.304	27.61		1498.1							

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REFID 31 1684 YEAR 1970 BOTDP 04755 AIR TEMP 26.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 08 SHIP BX WET BULB 24.0 29 2 7 WIND-SPD 06 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 27 DATA USE 1 BAROMETR 1021.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 22.6 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E45 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.6	OBS	00000	26.56	36.175	23.76		1539.7							
22.6	OBS	00025	26.17	36.146	23.87		1539.2							
22.6	OBS	00050	22.54	36.437	25.17		1531.3							
22.6	OBS	00075	20.49	36.505	25.80		1526.4							
22.6	OBS	00100	19.25	36.524	26.14		1523.5							
22.6	OBS	00149	17.92	36.482	26.44		1520.5							
22.6	OBS	T00199	17.50	36.444	26.52		1520.0							
22.6	OBS	00299	16.95	36.384	26.61		1520.0							
22.6	OBS	T00398	15.96	36.190	26.69		1518.4							
22.6	OBS	00499	14.92	36.030	26.80		1516.6							
22.6	OBS	T00598	13.50	35.762	26.90		1513.3							
22.6	OBS	00797	09.80	35.310	27.25		1503.2							
22.6	OBS	00998	07.87	35.348	27.59		1499.3							

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REFID 31 1684 YEAR 1970 BOTDP 04938 AIR TEMP 26.8 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 08 SHIP BX WET BULB 24.4 28 2 6 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 28 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E45 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	26.27	36.225	23.89		1539.1							
13.0	OBS	00030	25.01	36.173	24.24		1536.7							
13.0	OBS	00059	21.48	36.472	25.50		1528.8							
13.0	OBS	00089	19.88	36.522	25.97		1525.1							
13.0	OBS	00119	18.45	36.441	26.28		1521.5							
13.0	OBS	00178	17.61	36.460	26.50		1520.0							
13.0	OBS	T00237	17.14	36.410	26.58		1519.6							
13.0	OBS	00356	16.72	36.349	26.63		1520.2							
13.0	OBS	T00475	14.84	35.972	26.77		1515.9							
13.0	OBS	00597	13.27	35.729	26.92		1512.5							
13.0	OBS	T00720	11.31	35.485	27.11		1507.5							
13.0	OBS	00972	07.92	35.349	27.58		1499.1							
13.0	OBS	01229	05.28	35.085	27.73		1492.6							
13.0	OBS	T01884	03.94	34.991	27.81		1498.0							

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TABLE XXIV.—Continued

REFID 31 1684	YEAR 1970	BOTDP 04572	AIR TEMP 24.7	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 09	SHIP BX	WET BULB 20.1	30 3 6	WIND-SPD 11	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 04	DATA USE 1	BAROMETR 1016.4	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 46 W	HOUR 12.6	AREA 05	CLOUD T/A 2/0	CL/TR	WEATHER X1	ORIG E45 012	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	25.86	36.268	24.05		1536.2							
12.6	OBS	00022	25.81	36.274	24.07		1538.5							
12.6	OBS	00044	23.70	36.448	24.85		1534.1							
12.6	OBS	00066	18.72	36.487	26.25		1521.4							
12.6	OBS	00088	18.04	36.494	26.42		1519.8							
12.6	OBS	00132	17.50	36.456	26.53		1518.9							
12.6	OBS	T00175	17.13	36.428	26.60		1518.5							
12.6	OBS	00258	17.06	36.425	26.61		1519.7							
12.6	OBS	T00340	16.87	36.383	26.62		1520.4							
12.6	OBS	00427	16.53	36.314	26.65		1520.7							
12.6	OBS	T00515	16.10	36.237	26.69		1520.8							
12.6	OBS	00704	13.61	35.797	26.90		1515.4							
12.6	OBS	00901	09.65	35.271	27.24		1504.3							
12.6	OBS	T01421	04.75	35.006	27.73		1493.5							
12.6	OBS	T02347	03.60	34.976	27.83		1504.4							
12.6	OBS	T02923	03.03	34.953	27.87		1511.9							
12.6	OBS	03511	02.56	34.923	27.88		1520.1							
12.6	OBS	T04120	02.30	34.901	27.89		1529.6							
12.6	OBS	T04216	02.27	34.897	27.89		1531.2							

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TABLE XXV.–Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 6 September 1970 - 29 September 1970, prepared from NODC listing No. 31 - 8186.

REFID 31 8186 YEAR 1970 BOTDP 04938 AIR TEMP 28.3 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0001 MONTH 09 SHIP AI WET BULB 23.3 09 1 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 06 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 049 40 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 001 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	26.28	36.18	23.86		1539.1							
	OBS	00010	25.93	36.27	24.03		1538.6							
	OBS	00020	22.54	36.27	25.05		1530.6							
	OBS	00100	17.30	36.41	26.54		1517.8							
	OBS	00125	17.08	36.43	26.61		1517.6							
	OBS	00150	17.00	36.43	26.63		1517.7							
	OBS	00200	16.80	36.40	26.65		1517.9							
	OBS	00250	16.51	36.34	26.68		1517.8							
	OBS	00300	16.10	36.25	26.70		1517.3							
	OBS	00400	15.00	36.07	26.81		1515.3							
	OBS	00500	13.88	35.86	26.89		1513.1							
	OBS	00600	12.47	35.64	27.01		1509.7							
	OBS	00700	10.60	35.42	27.19		1504.6							
	OBS	00800	08.95	35.26	27.35		1500.0							
	OBS	00840	08.91	35.33	27.41		1500.6							
	OBS	00900	07.79	35.22	27.50		1497.2							
	OBS	00920	07.36	35.23	27.57		1495.9							
	OBS	00960	07.41	35.29	27.61		1496.9							
	OBS	00990	07.09	35.25	27.62		1496.1							
	OBS	01000	07.06	35.29	27.66		1496.2							
	OBS	01090	05.95	35.15	27.70		1493.1							
	OBS	01100	06.03	35.19	27.72		1493.6							
	OBS	01200	05.51	35.13	27.74		1493.1							
	OBS	01300	05.01	35.11	27.78		1492.7							
	OBS	01400	04.75	35.08	27.79		1493.3							
	OBS	01500	04.46	35.06	27.81		1493.8							
	OBS	01740	04.03	35.02	27.82		1496.0							
	OBS	01750	04.16	35.05	27.83		1496.7							
	OBS	02000	03.78	35.01	27.84		1499.3							
	OBS	02500	03.33	34.98	27.86		1505.9							
	OBS	03000	02.96	34.95	27.87		1512.9							

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REFID 31 8186 YEAR 1970 BOTDP 04938 AIR TEMP 25.0 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206
CONSEC 0002 MONTH 09 SHIP AI WET BULB 19.4 05 3 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 07 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 049 22 W HOUR 00.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 002 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.5	OBS	00000	26.06	35.98	23.77		1538.4							
	OBS	00010	25.93	36.17	23.96		1538.5							
	OBS	00020	25.50	36.21	24.12		1537.7							
	OBS	00030	23.98	36.26	24.62		1534.3							
	OBS	00050	21.49	36.43	25.47		1528.6							
	OBS	00075	19.70	36.50	26.00		1524.3							
	OBS	00100	17.95	36.37	26.35		1519.6							
	OBS	00107	17.75	36.43	26.45		1519.2							
	OBS	00118	17.84	36.52	26.49		1519.8							
	OBS	00125	17.75	36.51	26.51		1519.6							
	OBS	00150	17.51	36.47	26.54		1519.3							
	OBS	00200	17.12	36.44	26.61		1518.9							
	OBS	00250	17.03	36.44	26.63		1519.5							
	OBS	00300	16.99	36.44	26.64		1520.2							
	OBS	00375	16.70	36.38	26.66		1520.5							
	OBS	00400	16.41	36.31	26.68		1519.9							
	OBS	00500	15.25	36.11	26.79		1517.7							
	OBS	00570	14.15	35.91	26.88		1515.1							
	OBS	00600	13.94	35.89	26.90		1514.9							
	OBS	00700	12.20	35.57	27.01		1510.4							
	OBS	00800	10.10	35.36	27.23		1504.4							
	OBS	00855	08.86	35.20	27.32		1500.5							
	OBS	00875	09.05	35.29	27.36		1501.7							
	OBS	00900	08.61	35.27	27.41		1500.4							
	OBS	00925	08.35	35.26	27.44		1499.8							
	OBS	00940	08.48	35.33	27.48		1500.7							
	OBS	00960	07.80	35.27	27.54		1498.3							
	OBS	00990	07.90	35.32	27.56		1499.3							
	OBS	01000	07.67	35.28	27.56		1498.5							
	OBS	01040	06.47	35.12	27.61		1494.3							
	OBS	01055	07.05	35.25	27.63		1497.0							
	OBS	01100	06.79	35.23	27.65		1496.7							
	OBS	01125	06.86	35.29	27.69		1497.5							
	OBS	01200	05.67	35.12	27.71		1493.7							
	OBS	01250	05.31	35.08	27.72		1493.1							
	OBS	01270	05.39	35.10	27.73		1493.8							
	OBS	01300	05.25	35.09	27.74		1493.7							
	OBS	01330	05.23	35.11	27.76		1494.1							
	OBS	01400	04.92	35.07	27.76		1494.0							
	OBS	01440	04.72	35.05	27.77		1493.8							
	OBS	01500	04.64	35.04	27.77		1494.5							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 05121 AIR TEMP 23.9 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 09 SHIP AI WET BULB 22.2 09 1 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 07 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.8 2 SQUARE 48
LONG 049 14 W HOUR 06.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 003 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.5	OBS	00000	25.82	36.00	24.86		1537.8							
	OBS	00010	25.82	36.24	24.05		1538.3							
	OBS	00020	25.49	36.29	24.19		1537.7							
	OBS	00030	23.00	36.36	24.98		1532.0							
	OBS	00050	20.00	36.56	25.97		1524.8							
	OBS	00075	18.78	36.54	26.27		1521.8							
	OBS	00100	18.18	36.53	26.42		1520.5							
	OBS	00125	17.93	36.53	26.48		1520.2							
	OBS	00150	17.51	36.49	26.55		1519.3							
	OBS	00160	17.57	36.51	26.55		1519.7							
	OBS	00200	17.28	36.48	26.60		1519.4							
	OBS	00250	17.11	36.46	26.62		1519.7							
	OBS	00300	17.04	36.45	26.63		1520.3							
	OBS	00400	16.35	36.30	26.68		1519.7							
	OBS	00500	15.20	36.09	26.78		1517.6							
	OBS	00600	14.00	35.89	26.85		1515.1							
	OBS	00700	12.27	35.59	27.01		1510.6							
	OBS	00800	10.06	35.30	27.19		1504.1							
	OBS	00860	09.25	35.27	27.31		1502.1							
	OBS	00890	08.68	35.20	27.38		1499.7							
	OBS	00900	08.66	35.30	27.43		1500.6							
	OBS	01000	07.96	35.27	27.51		1499.6							
	OBS	01050	07.59	35.31	27.60		1499.1							
	OBS	01070	07.25	35.27	27.62		1498.0							
	OBS	01090	07.41	35.36	27.66		1499.1							
	OBS	01100	07.36	35.32	27.64		1499.0							
	OBS	01200	05.32	35.03	27.68		1492.2							
	OBS	01225	05.19	35.04	27.71		1492.1							
	OBS	01255	05.63	35.15	27.74		1494.5							
	OBS	01300	05.40	35.11	27.74		1494.3							
	OBS	01400	04.68	35.02	27.75		1492.9							
	OBS	01410	04.76	35.04	27.76		1493.5							
	OBS	01425	04.63	35.03	27.76		1493.2							
	OBS	01445	04.86	35.07	27.77		1494.5							
	OBS	01500	04.65	35.05	27.78		1494.5							

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REFID 31 8186 YEAR 1970 BOTDP 04572 AIR TEMP 26.1 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 09 SHIP AI WET BULB 21.1 12 1 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 15 N DAY 07 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 049 10 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 004 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	25.78	36.24	24.06		1538.0							
	OBS	00010	25.74	36.25	24.08		1538.1							
	OBS	00020	24.79	36.18	24.32		1536.0							
	OBS	00030	23.50	36.25	24.75		1533.1							
	OBS	00075	18.86	36.44	26.17		1521.9							
	OBS	00100	18.05	36.49	26.42		1520.1							
	OBS	00125	17.82	36.52	26.50		1519.8							
	OBS	00150	17.60	36.49	26.53		1519.6							
	OBS	00200	17.22	36.45	26.59		1519.2							
	OBS	00250	17.12	36.45	26.61		1519.8							
	OBS	00300	17.03	36.45	26.64		1520.3							
	OBS	00400	16.70	36.37	26.65		1520.9							
	OBS	00500	15.75	36.17	26.72		1519.4							
	OBS	00600	14.25	35.92	26.86		1516.0							
	OBS	00700	13.12	35.73	26.95		1513.7							
	OBS	00800	11.88	35.56	27.07		1510.9							
	OBS	00900	09.61	35.29	27.26		1504.1							
	OBS	00985	07.98	35.21	27.46		1499.3							
	OBS	01000	08.04	35.26	27.49		1499.9							
	OBS	01018	08.21	35.33	27.52		1500.9							
	OBS	01100	06.67	35.15	27.60		1496.1							
	OBS	01142	06.26	35.13	27.64		1495.2							
	OBS	01165	06.36	35.17	27.66		1496.0							
	OBS	01200	05.87	35.11	27.68		1494.5							
	OBS	01280	05.59	35.12	27.72		1494.8							
	OBS	01300	05.16	35.06	27.73		1493.3							
	OBS	01340	05.12	35.07	27.74		1493.8							
	OBS	01400	04.80	35.04	27.75		1493.4							
	OBS	01435	04.57	35.01	27.75		1493.0							
	OBS	01500	04.63	35.04	27.77		1494.4							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 02926	AIR TEMP 28.3	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0005	MONTH 09	SHIP AI	WET BULB 23.9	30	WIND-SPD 05	TRACE DIR 0	5 SQUARE 4
LAT 35 10 N	DAY 07	DATA USE 1	BAROMETR 1017.9	SEA 3	WIND-FOR	DURATION 00.8	2 SQUARE 48
LONG 048 51 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 005	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00050	17.07	36.47	26.64		1516.3							
	OBS	00075	17.07	36.47	26.64		1516.8							
	OBS	00100	17.00	36.45	26.64		1516.9							
	OBS	00125	16.93	36.44	26.65		1517.1							
	OBS	00150	16.87	36.42	26.65		1517.3							
	OBS	00200	16.60	36.36	26.67		1517.3							
	OBS	00250	16.30	36.31	26.70		1517.1							
	OBS	00300	15.95	36.25	26.74		1516.8							
	OBS	00400	14.54	35.96	26.83		1513.7							
	OBS	00500	13.19	35.75	26.95		1510.6							
	OBS	00600	11.50	35.50	27.09		1506.2							
	OBS	00700	10.04	35.34	27.23		1502.5							
	OBS	00800	07.76	35.19	27.48		1495.4							
	OBS	00865	06.83	35.15	27.58		1492.8							
	OBS	00900	07.46	35.33	27.63		1496.1							
	OBS	01000	05.92	35.13	27.69		1491.4							
	OBS	01055	05.12	35.04	27.71		1489.0							
	OBS	01080	05.18	35.06	27.72		1489.7							
	OBS	01100	05.02	35.04	27.73		1489.3							
	OBS	01140	04.86	35.03	27.74		1489.3							
	OBS	01200	04.99	35.09	27.77		1490.9							
	OBS	01300	04.78	35.07	27.78		1491.7							
	OBS	01400	04.59	35.05	27.78		1492.6							
	OBS	01500	04.41	35.03	27.79		1493.5							

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REFID 31 8186	YEAR 1970	BOTDP 04206	AIR TEMP 25.6	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 09	SHIP AI	WET BULB 21.1	30	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 35 13 N	DAY 08	DATA USE 1	BAROMETR 1019.6	SEA 3	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 30 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 006	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	25.80	36.40	24.17		1538.2							
	OBS	00010	25.66	36.42	24.23		1538.1							
	OBS	00020	24.83	36.41	24.48		1536.3							
	OBS	00030	22.24	36.42	25.25		1530.2							
	OBS	00050	20.64	36.44	25.71		1526.4							
	OBS	00075	18.24	36.49	26.37		1520.2							
	OBS	00100	17.75	36.49	26.49		1519.2							
	OBS	00125	17.46	36.47	26.55		1518.7							
	OBS	00150	17.27	36.45	26.58		1518.6							
	OBS	00170	17.14	36.45	26.61		1518.5							
	OBS	00200	17.15	36.46	26.62		1519.0							
	OBS	00250	17.09	36.45	26.62		1519.7							
	OBS	00300	17.06	36.45	26.63		1520.4							
	OBS	00400	16.78	36.38	26.64		1521.1							
	OBS	00500	16.47	36.32	26.67		1521.8							
	OBS	00600	15.89	36.21	26.72		1521.5							
	OBS	00700	14.40	35.91	26.82		1518.1							
	OBS	00800	12.90	35.67	26.95		1514.5							
	OBS	00900	10.39	35.31	27.14		1507.0							
	OBS	00950	08.91	35.16	27.28		1502.2							
	OBS	01000	08.43	35.20	27.38		1501.3							
	OBS	01100	07.00	35.12	27.53		1497.4							
	OBS	01115	06.88	35.16	27.58		1497.2							
	OBS	01135	07.23	35.24	27.60		1499.0							
	OBS	01200	05.90	35.07	27.64		1494.6							
	OBS	01265	05.88	35.12	27.68		1495.7							
	OBS	01300	05.79	35.12	27.70		1495.9							
	OBS	01380	05.10	35.04	27.72		1494.3							
	OBS	01400	05.19	35.06	27.72		1495.1							
	OBS	01420	05.28	35.09	27.73		1495.8							
	OBS	01500	05.14	35.08	27.74		1496.6							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 03931	AIR TEMP 25.6	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 09	SHIP AI	WET BULB 22.8	30 0 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 13 N	DAY 08	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 48
LONG 048 12 W	HOUR 06.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 007	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.3	OBS	00000	25.91	36.21	23.95		1538.3							
	OBS	00010	25.90	36.22	24.01		1538.4							
	OBS	00020	24.58	36.22	24.41		1535.5							
	OBS	00030	23.28	36.40	24.93		1532.8							
	OBS	00050	20.78	36.43	25.66		1526.7							
	OBS	00075	18.11	36.49	26.40		1519.8							
	OBS	00100	17.62	36.48	26.52		1518.8							
	OBS	00125	17.31	36.46	26.58		1518.3							
	OBS	00150	17.15	36.45	26.61		1518.2							
	OBS	00200	17.08	36.45	26.62		1518.8							
	OBS	00250	17.05	36.45	26.63		1519.5							
	OBS	00300	16.99	36.44	26.64		1520.2							
	OBS	00400	16.67	36.37	26.66		1520.8							
	OBS	00500	16.31	36.30	26.69		1521.3							
	OBS	00600	15.47	36.13	26.75		1520.1							
	OBS	00700	13.92	35.87	26.89		1516.5							
	OBS	00800	12.25	35.58	27.01		1512.2							
	OBS	00900	10.22	35.37	27.22		1506.5							
	OBS	01000	08.22	35.20	27.42		1500.5							
	OBS	01100	06.66	35.15	27.60		1496.1							
	OBS	01200	06.04	35.12	27.66		1495.2							
	OBS	01300	05.22	35.05	27.71		1493.5							
	OBS	01400	04.94	35.05	27.74		1494.0							
	OBS	01500	04.77	35.04	27.75		1495.0							

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REFID 31 8186	YEAR 1970	BOTDP 04755	AIR TEMP 26.7	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 09	SHIP AI	WET BULB 22.2	10 1 3	WIND-SPD 04	TRACE DIR D	5 SQUARE 2
LAT 34 54 N	DAY 09	DATA USE 1	BAROMETR 1023.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 51 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 008	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.2	OBS	00000	26.07	36.16	23.91		1538.6							
	OBS	00010	25.82	36.16	23.99		1538.2							
	OBS	00020	24.58	36.25	24.43		1535.6							
	OBS	00030	23.52	36.33	24.81		1533.3							
	OBS	00050	21.24	36.42	25.53		1527.9							
	OBS	00075	18.91	36.49	26.20		1522.1							
	OBS	00100	18.23	36.50	26.38		1520.6							
	OBS	00125	18.01	36.50	26.44		1520.4							
	OBS	00150	17.53	36.47	26.53		1519.3							
	OBS	00200	17.16	36.44	26.60		1519.0							
	OBS	00250	17.10	36.45	26.62		1519.7							
	OBS	00300	17.01	36.44	26.63		1520.2							
	OBS	00400	16.49	36.31	26.66		1520.2							
	OBS	00500	15.42	36.10	26.74		1518.3							
	OBS	00600	14.00	35.84	26.85		1515.1							
	OBS	00610	13.87	35.84	26.88		1514.8							
	OBS	00625	13.97	35.88	26.89		1515.4							
	OBS	00700	12.72	35.67	26.99		1512.3							
	OBS	00800	10.79	35.38	27.13		1506.9							
	OBS	00900	08.93	35.24	27.34		1501.6							
	OBS	01000	07.18	35.14	27.52		1496.4							
	OBS	01100	05.66	35.03	27.64		1491.9							
	OBS	01160	05.29	35.03	27.69		1491.4							
	OBS	01180	05.38	35.07	27.71		1492.2							
	OBS	01200	05.10	35.02	27.70		1491.3							
	OBS	01300	04.85	35.04	27.75		1492.0							
	OBS	01400	04.51	34.99	27.74		1492.2							
	OBS	01500	04.26	34.98	27.76		1492.8							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04846 AIR TEMP 25.0 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0009 MONTH 09 SHIP AI WET BULB 21.1 13 0 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 47 N DAY 09 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 46 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 009 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.96	36.08	23.88		1538.3							
	OBS	00010	25.91	36.07	23.89		1538.3							
	OBS	00020	25.73	36.08	23.95		1538.1							
	OBS	00030	24.23	36.23	24.52		1534.9							
	OBS	00050	21.08	36.31	25.49		1527.4							
	OBS	00075	19.13	36.45	26.11		1522.7							
	OBS	00100	18.05	36.47	26.40		1520.0							
	OBS	00125	17.73	36.50	26.50		1519.6							
	OBS	00150	17.51	36.48	26.54		1519.3							
	OBS	00200	17.20	36.44	26.59		1519.2							
	OBS	00250	17.06	36.44	26.62		1519.6							
	OBS	00300	17.01	36.43	26.63		1520.2							
	OBS	00400	16.55	36.32	26.65		1520.4							
	OBS	00500	15.41	36.11	26.75		1518.2							
	OBS	00600	13.95	35.85	26.87		1514.9							
	OBS	00609	13.99	35.90	26.90		1515.3							
	OBS	00700	12.91	35.69	26.96		1512.9							
	OBS	00800	10.42	35.34	27.16		1505.5							
	OBS	00900	08.79	35.23	27.35		1501.0							
	OBS	01000	07.15	35.14	27.53		1496.3							
	OBS	01046	06.05	35.03	27.59		1492.6							
	OBS	01100	05.59	35.03	27.65		1491.6							
	OBS	01190	05.22	35.03	27.69		1491.6							
	OBS	01200	05.30	35.07	27.72		1492.2							
	OBS	01300	04.91	35.03	27.73		1492.2							
	OBS	01400	04.64	35.03	27.76		1492.8							
	OBS	01500	04.23	34.98	27.77		1492.7							

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REFID 31 8186 YEAR 1970 BOTDP 04755 AIR TEMP 28.3 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206
CONSEC 0010 MONTH 09 SHIP AI WET BULB 22.8 13 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 09 DATA USE 1 BAROMETR 1024.7 SEA 2 WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 49 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 010 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	26.03	36.06	23.84		1538.4							
	OBS	00010	25.74	36.15	24.00		1538.0							
	OBS	00020	24.79	36.20	24.33		1536.0							
	OBS	00050	20.03	36.43	25.86		1524.7							
	OBS	00075	18.69	36.49	26.26		1521.5							
	OBS	00100	17.96	36.47	26.42		1519.8							
	OBS	00125	17.64	36.47	26.50		1519.3							
	OBS	00150	17.45	36.47	26.55		1519.1							
	OBS	00200	17.18	36.44	26.59		1519.1							
	OBS	00250	17.08	36.45	26.62		1519.6							
	OBS	00300	17.01	36.44	26.63		1520.2							
	OBS	00400	16.58	36.35	26.67		1520.5							
	OBS	00500	15.49	36.13	26.75		1518.5							
	OBS	00600	14.17	35.90	26.86		1515.7							
	OBS	00700	12.62	35.69	27.02		1511.9							
	OBS	00800	10.32	35.37	27.20		1505.2							
	OBS	00900	08.74	35.26	27.38		1500.9							
	OBS	01000	07.10	35.18	27.57		1496.2							
	OBS	01100	05.54	35.04	27.66		1491.4							
	OBS	01200	05.27	35.08	27.73		1492.1							
	OBS	01300	04.77	35.05	27.76		1491.7							
	OBS	01400	04.57	35.05	27.79		1492.5							
	OBS	01500	04.38	35.04	27.80		1493.4							
	OBS	01550	04.14	35.01	27.80		1493.2							
	OBS	01600	04.24	35.03	27.81		1494.5							
	OBS	01750	04.02	35.02	27.82		1496.1							
	OBS	02000	03.86	35.01	27.83		1499.6							
	OBS	02500	03.39	35.00	27.87		1506.2							
	OBS	03000	02.94	34.96	27.88		1512.8							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 04755	AIR TEMP 26.1	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 09	SHIP AI	WET BULB 22.8	14 0 2	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 34 55 N	DAY 10	DATA USE 1	BAROMETR 1025.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 49 W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 011	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.2	OBS	00000	26.15	36.09	23.83		1538.7							
	OBS	00010	25.90	36.06	23.88		1538.3							
	OBS	00020	25.82	36.09	23.93		1538.3							
	OBS	00030	25.24	36.12	24.13		1537.1							
	OBS	00050	21.24	36.33	25.46		1527.8							
	OBS	00075	19.09	36.47	26.14		1522.6							
	OBS	00100	18.25	36.48	26.36		1520.6							
	OBS	00125	17.85	36.51	26.48		1519.9							
	OBS	00150	17.69	36.47	26.49		1519.8							
	OBS	00200	17.32	36.44	26.58		1519.2							
	OBS	00250	17.12	36.45	26.61		1519.8							
	OBS	00300	17.07	36.44	26.62		1520.4							
	OBS	00400	16.58	36.33	26.65		1520.5							
	OBS	00500	15.58	36.14	26.74		1518.8							
	OBS	00600	14.45	35.97	26.86		1516.7							
	OBS	00700	12.40	35.61	27.00		1511.1							
	OBS	00800	10.53	35.35	27.15		1505.9							
	OBS	00900	08.61	35.20	27.36		1500.3							
	OBS	01000	06.92	35.11	27.54		1495.4							
	OBS	01045	05.95	35.04	27.61		1492.2							
	OBS	01100	05.66	35.04	27.65		1491.9							
	OBS	01160	05.13	35.01	27.69		1490.7							
	OBS	01200	05.20	35.05	27.71		1491.7							
	OBS	01300	04.72	35.00	27.73		1491.4							
	OBS	01340	04.74	35.03	27.75		1492.2							
	OBS	01400	04.57	35.02	27.76		1492.5							
	OBS	01500	04.33	35.00	27.77		1493.1							

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REFID 31 8186	YEAR 1970	BOTDP 04846	AIR TEMP 25.6	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0012	MONTH 09	SHIP AI	WET BULB 23.3	14 1 3	WIND-SPD 03	TRACE DIR D	5 SQUARE 4
LAT 35 51 N	DAY 10	DATA USE 1	BAROMETR 1023.4	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 46
LONG 047 47 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 012	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.2	OBS	00000	25.89	36.11	23.93		1538.1							
	OBS	00010	25.72	36.12	23.99		1537.9							
	OBS	00020	25.60	36.16	24.05		1537.8							
	OBS	00030	24.99	36.20	24.27		1536.6							
	OBS	00050	21.39	36.49	25.54		1528.4							
	OBS	00075	19.49	36.49	26.05		1523.7							
	OBS	00100	18.57	36.54	26.33		1521.6							
	OBS	00125	18.12	36.53	26.43		1520.7							
	OBS	00150	17.84	36.51	26.48		1520.3							
	OBS	00200	17.34	36.46	26.57		1519.6							
	OBS	00250	17.12	36.44	26.61		1519.7							
	OBS	00300	17.01	36.43	26.63		1520.2							
	OBS	00400	16.49	36.32	26.67		1520.2							
	OBS	00500	15.20	36.08	26.78		1517.6							
	OBS	00600	13.73	35.80	26.88		1514.1							
	OBS	00700	11.80	35.49	27.03		1508.9							
	OBS	00800	10.14	35.32	27.20		1504.5							
	OBS	00900	08.25	35.17	27.39		1498.9							
	OBS	01000	06.28	35.02	27.55		1492.7							
	OBS	01060	05.57	35.01	27.64		1490.9							
	OBS	01080	05.70	35.07	27.67		1491.8							
	OBS	01100	05.50	35.05	27.68		1491.3							
	OBS	01200	04.89	35.01	27.72		1490.4							
	OBS	01300	04.44	34.99	27.75		1490.2							
	OBS	01400	04.35	34.99	27.76		1491.5							
	OBS	01490	04.32	34.99	27.77		1492.9							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04938 AIR TEMP 26.1 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 09 SHIP AI WET BULB 22.8 17 0 3 WIND-SPD 03 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 10 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 07 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	25.84	36.24	24.04		1538.2							
	OBS	00010	25.74	36.26	24.09		1538.1							
	OBS	00020	23.74	36.12	24.59		1533.4							
	OBS	00030	21.99	36.42	25.32		1529.5							
	OBS	00050	19.68	36.43	25.95		1523.8							
	OBS	00075	18.34	36.48	26.34		1520.5							
	OBS	00100	17.85	36.49	26.47		1519.5							
	OBS	00125	17.52	36.48	26.54		1518.9							
	OBS	00150	17.31	36.46	26.58		1518.7							
	OBS	00200	17.12	36.46	26.62		1518.9							
	OBS	00250	17.10	36.46	26.63		1519.7							
	OBS	00300	17.04	36.44	26.63		1520.3							
	OBS	00400	16.64	36.36	26.66		1520.7							
	OBS	00500	15.97	36.24	26.73		1520.1							
	OBS	00600	14.66	35.96	26.80		1517.3							
	OBS	00700	13.25	35.76	26.95		1514.1							
	OBS	00800	11.54	35.51	27.09		1509.7							
	OBS	00900	09.34	35.27	27.29		1503.1							
	OBS	01000	07.65	35.19	27.50		1498.3							
	OBS	01100	06.26	35.11	27.63		1494.4							
	OBS	01200	05.62	35.09	27.69		1493.5							
	OBS	01300	04.98	35.03	27.72		1492.5							
	OBS	01320	04.79	35.01	27.73		1492.0							
	OBS	01350	04.92	35.05	27.75		1493.1							
	OBS	01400	04.79	35.04	27.75		1493.4							
	OBS	01500	04.65	35.03	27.76		1494.5							

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REFID 31 8186 YEAR 1970 BOTDP 04387 AIR TEMP 25.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 09 SHIP AI WET BULB 22.2 20 0 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 11 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 54 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	26.66	36.24	23.78		1540.0							
	OBS	00010	25.98	36.23	23.99		1538.6							
	OBS	00020	25.83	36.22	24.03		1538.4							
	OBS	00030	22.83	36.34	25.02		1531.6							
	OBS	00050	20.73	36.40	25.65		1526.6							
	OBS	00075	19.03	36.48	26.16		1522.4							
	OBS	00100	18.22	36.50	26.38		1520.6							
	OBS	00125	17.80	36.51	26.49		1519.8							
	OBS	00150	17.60	36.49	26.53		1519.6							
	OBS	00200	17.25	36.45	26.58		1519.3							
	OBS	00250	17.11	36.45	26.62		1519.7							
	OBS	00300	17.05	36.45	26.63		1520.4							
	OBS	00400	16.44	36.31	26.67		1520.0							
	OBS	00500	15.74	36.18	26.73		1519.4							
	OBS	00600	14.57	35.97	26.83		1517.1							
	OBS	00700	13.04	35.73	26.97		1513.4							
	OBS	00800	11.55	35.52	27.10		1509.7							
	OBS	00900	09.46	35.27	27.27		1503.6							
	OBS	00925	09.11	35.25	27.32		1502.7							
	OBS	00930	09.24	35.32	27.35		1503.3							
	OBS	01000	08.11	35.23	27.46		1500.1							
	OBS	01100	06.18	35.07	27.61		1494.1							
	OBS	01200	05.60	35.08	27.69		1493.4							
	OBS	01230	05.58	35.12	27.72		1493.9							
	OBS	01300	05.14	35.08	27.74		1493.2							
	OBS	01400	04.86	35.07	27.77		1493.7							
	OBS	01500	04.62	35.04	27.77		1494.4							

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AD-A053 045 COAST GUARD WASHINGTON D C OCEANOGRAPHIC UNIT F/G 8/10
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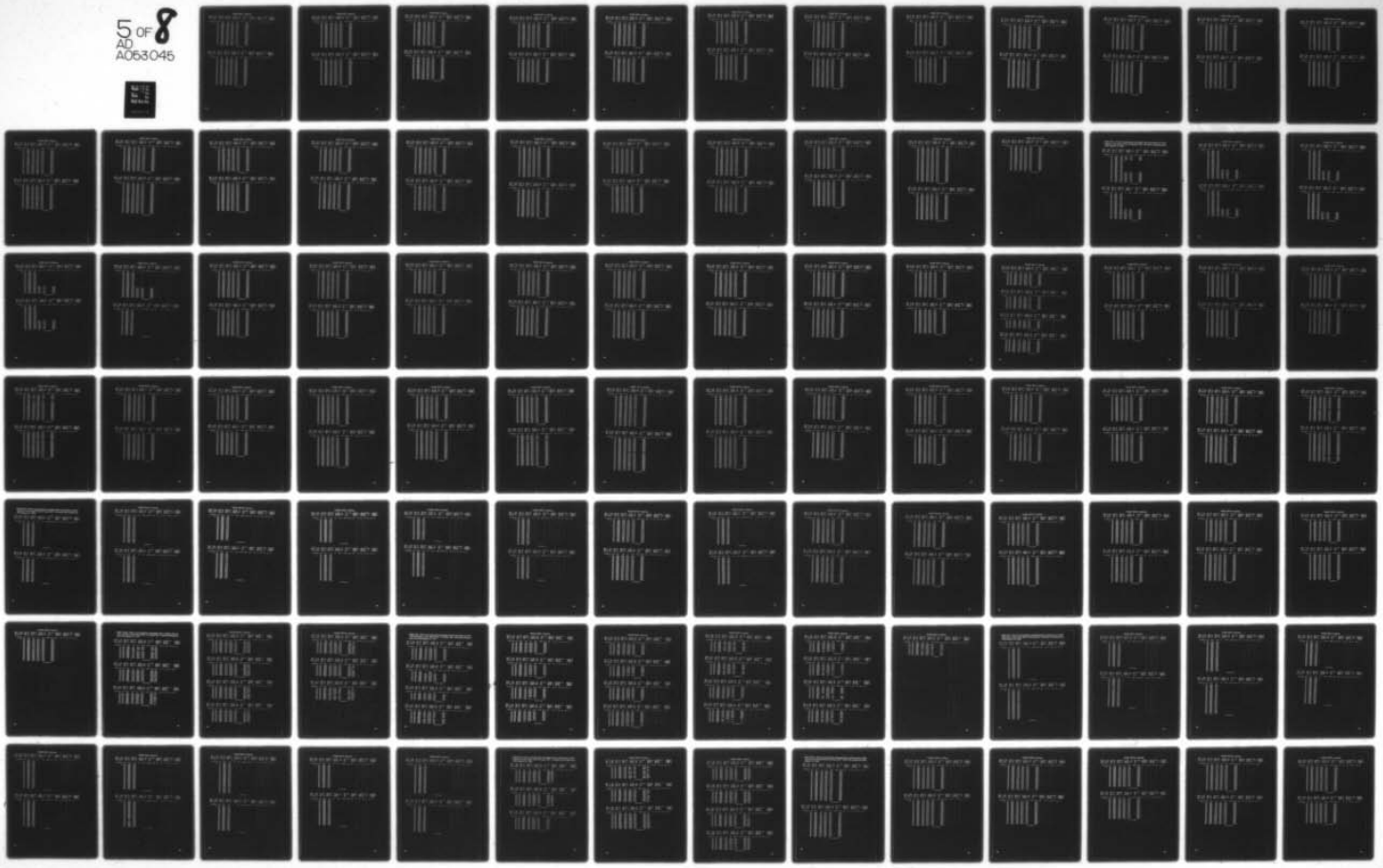


TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 03840	AIR TEMP 25.2	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 09	SHIP AI	WET BULB 23.9	25 0 2	WIND-SPD 00	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 11	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 59 W	HOUR 06.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 015	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	26.16	36.19	23.90		1538.8							
	OBS	00010	26.09	36.19	23.92		1538.8							
	OBS	00020	25.58	36.26	24.14		1537.9							
	OBS	00050	20.58	36.35	25.65		1526.1							
	OBS	00075	18.73	36.48	26.24		1521.6							
	OBS	00100	18.26	36.52	26.39		1520.7							
	OBS	00125	17.86	36.51	26.48		1519.9							
	OBS	00150	17.63	36.48	26.51		1519.7							
	OBS	00200	17.22	36.44	26.58		1519.2							
	OBS	00250	17.14	36.46	26.62		1519.8							
	OBS	00300	17.09	36.45	26.62		1520.5							
	OBS	00400	16.74	36.37	26.64		1521.0							
	OBS	00450	16.44	36.31	26.67		1520.8							
	OBS	00500	15.84	36.20	26.72		1519.7							
	OBS	00600	14.57	35.96	26.82		1517.1							
	OBS	00700	13.49	35.79	26.92		1515.0							
	OBS	00800	11.50	35.50	27.09		1509.5							
	OBS	00900	09.53	35.28	27.27		1503.8							
	OBS	01000	07.47	35.12	27.47		1497.5							
	OBS	01010	07.31	35.12	27.49		1497.1							
	OBS	01025	07.38	35.16	27.51		1497.6							
	OBS	01100	06.29	35.08	27.60		1494.5							
	OBS	01200	05.54	35.07	27.69		1493.2							
	OBS	01300	05.19	35.07	27.73		1493.4							
	OBS	01400	04.84	35.06	27.76		1493.6							
	OBS	01430	04.69	35.03	27.76		1493.5							
	OBS	01500	04.64	35.03	27.76		1494.5							

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REFID 31 8186	YEAR 1970	BOTDP 04206	AIR TEMP 28.9	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 09	SHIP AI	WET BULB 23.9	16	WIND-SPD 03	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 11	DATA USE 1	BAROMETR 1021.3	SEA 2	WIND-FOR	DURATION 01.0	2 SQUARE 48
LONG 048 12 W	HOUR 18.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG E46 016	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	26.51	36.14	23.75		1539.6							
	OBS	00010	26.05	36.20	23.94		1538.8							
	OBS	00020	25.73	36.16	24.01		1538.1							
	OBS	00050	19.77	36.46	25.95		1524.0							
	OBS	00075	18.38	36.48	26.33		1520.6							
	OBS	00100	17.90	36.49	26.45		1519.6							
	OBS	00125	17.60	36.49	26.53		1519.2							
	OBS	00150	17.42	36.47	26.56		1519.0							
	OBS	00200	17.13	36.45	26.61		1519.0							
	OBS	00250	17.06	36.45	26.63		1519.6							
	OBS	00300	17.03	36.45	26.64		1520.3							
	OBS	00400	16.66	36.37	26.66		1520.8							
	OBS	00500	16.02	36.25	26.72		1520.3							
	OBS	00600	14.49	35.96	26.84		1516.8							
	OBS	00700	13.13	35.71	26.93		1513.7							
	OBS	00800	11.00	35.46	27.15		1507.7							
	OBS	00900	09.03	35.24	27.32		1501.9							
	OBS	01000	07.61	35.18	27.49		1498.1							
	OBS	01030	06.94	35.13	27.55		1496.0							
	OBS	01060	07.14	35.23	27.60		1497.4							
	OBS	01100	06.81	35.21	27.63		1496.7							
	OBS	01200	05.62	35.11	27.71		1493.5							
	OBS	01230	05.51	35.12	27.73		1493.6							
	OBS	01260	05.64	35.16	27.75		1494.7							
	OBS	01300	05.43	35.14	27.76		1494.5							
	OBS	01400	04.87	35.08	27.78		1493.8							
	OBS	01500	04.67	35.07	27.79		1494.6							
	OBS	01750	04.23	35.04	27.81		1497.0							
	OBS	02000	03.88	35.01	27.83		1499.7							
	OBS	02120	03.89	35.03	27.84		1501.8							
	OBS	02500	03.37	34.98	27.86		1506.1							
	OBS	03000	02.92	34.95	27.87		1512.7							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 02195 AIR TEMP 25.6 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 09 SHIP AI WET BULB 21.7 16 0 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 12 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 04 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.2	OBS	00000	26.28	36.12	23.81		1539.0							
	OBS	00010	25.98	36.21	23.97		1538.6							
	OBS	00020	24.98	36.15	24.24		1536.4							
	OBS	00030	22.73	36.28	25.00		1531.3							
	OBS	00050	20.78	36.49	25.71		1526.8							
	OBS	00075	19.43	36.51	26.08		1523.6							
	OBS	00100	18.48	36.49	26.31		1521.3							
	OBS	00125	17.83	36.48	26.46		1519.8							
	OBS	00150	17.48	36.47	26.54		1519.2							
	OBS	00200	17.16	36.45	26.61		1519.1							
	OBS	00250	17.10	36.46	26.63		1519.7							
	OBS	00300	17.04	36.44	26.63		1520.3							
	OBS	00400	16.79	36.38	26.64		1521.2							
	OBS	00500	16.09	36.23	26.69		1520.5							
	OBS	00530	15.88	36.22	26.73		1520.3							
	OBS	00600	14.69	35.96	26.80		1517.4							
	OBS	00700	13.34	35.75	26.92		1514.4							
	OBS	00800	11.73	35.55	27.09		1510.4							
	OBS	00900	09.73	35.31	27.26		1504.6							
	OBS	01000	07.85	35.15	27.43		1499.0							
	OBS	01025	07.37	35.08	27.45		1497.5							
	OBS	01040	07.75	35.14	27.44		1499.3							
	OBS	01075	07.53	35.12	27.46		1499.0							
	OBS	01100	06.66	35.10	27.56		1496.0							
	OBS	01200	05.72	35.07	27.66		1493.9							
	OBS	01300	05.24	35.08	27.73		1493.6							
	OBS	01355	05.15	35.08	27.74		1494.2							
	OBS	01400	04.89	35.05	27.75		1493.8							
	OBS	01500	04.69	35.05	27.77		1494.7							

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REFID 31 8186 YEAR 1970 BOTDP 02560 AIR TEMP 25.2 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 09 SHIP AI WET BULB 22.6 14 1 3 WIND-SPD 03 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 12 DATA USE 1 BAROMETR 1020.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	26.29	36.19	23.86		1539.1							
	OBS	00010	26.02	36.17	23.93		1538.7							
	OBS	00020	25.98	36.20	23.97		1538.8							
	OBS	00030	24.10	36.22	24.55		1534.5							
	OBS	00050	20.78	36.46	25.68		1526.8							
	OBS	00075	19.03	36.50	26.18		1522.4							
	OBS	00100	18.01	36.50	26.44		1520.0							
	OBS	00125	17.78	36.50	26.49		1519.7							
	OBS	00150	17.50	36.48	26.55		1519.3							
	OBS	00200	17.12	36.44	26.61		1518.9							
	OBS	00250	17.09	36.45	26.62		1519.7							
	OBS	00300	17.02	36.43	26.62		1520.3							
	OBS	00400	16.65	36.35	26.65		1520.7							
	OBS	00500	15.95	36.22	26.71		1520.1							
	OBS	00600	14.48	35.94	26.83		1516.7							
	OBS	00700	13.00	35.71	26.96		1513.3							
	OBS	00800	11.26	35.47	27.11		1508.6							
	OBS	00900	08.85	35.22	27.33		1501.2							
	OBS	00950	08.12	35.22	27.45		1499.3							
	OBS	00960	08.27	35.24	27.44		1500.1							
	OBS	01000	07.90	35.28	27.53		1499.4							
	OBS	01040	07.22	35.18	27.55		1497.3							
	OBS	01070	07.14	35.20	27.58		1497.5							
	OBS	01100	06.34	35.09	27.60		1494.7							
	OBS	01200	05.51	35.07	27.69		1493.0							
	OBS	01240	05.19	35.08	27.74		1492.4							
	OBS	01300	05.08	35.07	27.74		1493.0							
	OBS	01400	04.77	35.04	27.75		1493.3							
	OBS	01440	04.60	35.03	27.77		1493.3							
	OBS	01500	04.58	35.04	27.78		1494.2							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 02377 AIR TEMP 26.1 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0019 MONTH 09 SHIP AI WET BULB 22.2 14 1 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 12 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 019 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	26.22	36.16	23.86		1538.9							
	OBS	00010	26.18	36.16	23.87		1539.0							
	OBS	00020	25.87	36.09	23.92		1538.4							
	OBS	00030	24.47	36.25	24.47		1535.5							
	OBS	00050	20.87	36.47	25.67		1527.0							
	OBS	00075	19.17	36.47	26.12		1522.8							
	OBS	00100	18.17	36.50	26.40		1520.4							
	OBS	00125	17.84	36.49	26.47		1519.9							
	OBS	00150	17.57	36.48	26.53		1519.5							
	OBS	00200	17.13	36.43	26.60		1518.9							
	OBS	00250	17.06	36.45	26.63		1519.6							
	OBS	00300	16.99	36.43	26.63		1520.2							
	OBS	00400	16.48	36.30	26.65		1520.1							
	OBS	00500	15.54	36.11	26.72		1518.7							
	OBS	00600	14.10	35.87	26.86		1515.4							
	OBS	00645	13.76	35.83	26.90		1515.0							
	OBS	00700	12.97	35.67	26.94		1513.1							
	OBS	00800	11.35	35.44	27.07		1508.9							
	OBS	00900	09.41	35.32	27.32		1503.4							
	OBS	01000	08.10	35.23	27.46		1500.1							
	OBS	01075	06.94	35.13	27.55		1496.7							
	OBS	01090	07.06	35.19	27.58		1497.5							
	OBS	01100	06.83	35.14	27.57		1496.7							
	OBS	01200	05.62	35.07	27.68		1493.5							
	OBS	01300	05.15	35.06	27.73		1493.2							
	OBS	01385	05.11	35.08	27.75		1494.5							
	OBS	01400	04.98	35.06	27.75		1494.2							
	OBS	01500	04.62	35.03	27.76		1494.4							

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REFID 31 8186 YEAR 1970 BOTDP 02470 AIR TEMP 27.2 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0020 MONTH 09 SHIP AI WET BULB 23.3 12 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 12 DATA USE 1 BAROMETR 1022.0 SEA 2 WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 03 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 020 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	26.70	36.10	23.66		1539.9							
	OBS	00010	25.93	36.09	23.90		1538.4							
	OBS	00020	25.90	36.13	23.94		1538.5							
	OBS	00030	24.30	36.22	24.49		1535.0							
	OBS	00050	21.24	36.40	25.51		1527.9							
	OBS	00075	19.40	36.48	26.07		1523.5							
	OBS	00100	18.38	36.48	26.33		1521.0							
	OBS	00125	17.94	36.52	26.47		1520.2							
	OBS	00150	17.63	36.50	26.53		1519.7							
	OBS	00200	17.18	36.44	26.59		1519.1							
	OBS	00250	17.05	36.44	26.62		1519.5							
	OBS	00300	17.02	36.44	26.63		1520.3							
	OBS	00400	16.53	36.33	26.66		1520.3							
	OBS	00500	15.64	36.16	26.74		1519.0							
	OBS	00600	14.26	35.91	26.85		1516.0							
	OBS	00700	12.94	35.70	26.96		1513.0							
	OBS	00800	10.90	35.38	27.11		1507.3							
	OBS	00900	09.32	35.31	27.33		1503.1							
	OBS	01000	08.04	35.25	27.48		1499.9							
	OBS	01048	06.80	35.09	27.54		1495.7							
	OBS	01100	06.16	35.09	27.62		1494.0							
	OBS	01200	05.54	35.09	27.70		1493.2							
	OBS	01220	05.55	35.11	27.72		1493.6							
	OBS	01300	05.24	35.10	27.75		1493.6							
	OBS	01400	04.75	35.04	27.76		1493.2							
	OBS	01500	04.49	35.03	27.78		1493.8							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 02560 AIR TEMP 27.2 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0021 MONTH 09 SHIP AI WET BULB 22.2 13 WIND-SPD 03 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 13 DATA USE 1 BAROMETR 1022.7 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 021 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	26.23	36.10	23.81		1538.9							
	OBS	00010	26.17	36.17	23.88		1539.0							
	OBS	00020	26.04	36.22	23.96		1538.9							
	OBS	00030	24.48	36.13	24.37		1535.4							
	OBS	00050	21.00	36.32	25.52		1527.2							
	OBS	00075	19.03	36.46	26.15		1522.4							
	OBS	00100	18.34	36.47	26.33		1520.9							
	OBS	00125	17.92	36.51	26.47		1520.1							
	OBS	00150	17.63	36.48	26.51		1519.6							
	OBS	00200	17.25	36.44	26.58		1519.3							
	OBS	00250	17.10	36.44	26.61		1519.7							
	OBS	00300	16.99	36.43	26.63		1520.2							
	OBS	00400	16.46	36.30	26.66		1520.1							
	OBS	00500	15.74	36.19	26.74		1519.4							
	OBS	00600	14.34	35.94	26.86		1516.3							
	OBS	00700	13.14	35.74	26.96		1513.8							
	OBS	00800	10.96	35.41	27.12		1507.5							
	OBS	00900	09.42	35.29	27.30		1503.4							
	OBS	00970	08.41	35.22	27.40		1500.7							
	OBS	00985	08.64	35.32	27.45		1502.0							
	OBS	01000	08.17	35.22	27.44		1500.3							
	OBS	01100	06.41	35.07	27.58		1495.0							
	OBS	01160	05.61	35.04	27.65		1492.7							
	OBS	01200	05.60	35.09	27.70		1493.4							
	OBS	01233	05.64	35.12	27.71		1494.2							
	OBS	01300	05.19	35.07	27.73		1493.4							
	OBS	01400	04.83	35.05	27.76		1493.6							
	OBS	01500	04.64	35.04	27.77		1494.5							

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REFID 31 8186 YEAR 1970 BOTDP 01646 AIR TEMP 25.6 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206
CONSEC 0022 MONTH 09 SHIP AI WET BULB 22.2 13 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 13 DATA USE 1 BAROMETR 1022.7 SEA 2 WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 022 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	26.23	36.20	23.89		1539.0							
	OBS	00010	26.09	36.19	23.92		1538.8							
	OBS	00020	25.24	36.20	24.19		1537.1							
	OBS	00030	23.34	36.27	24.82		1532.8							
	OBS	00050	21.24	36.41	25.52		1527.9							
	OBS	00075	19.09	36.45	26.12		1522.6							
	OBS	00100	18.24	36.49	26.37		1520.6							
	OBS	00125	17.89	36.49	26.46		1520.0							
	OBS	00150	17.64	36.48	26.51		1519.7							
	OBS	00200	17.22	36.44	26.58		1519.2							
	OBS	00250	17.06	36.44	26.62		1519.6							
	OBS	00300	16.94	36.41	26.63		1520.0							
	OBS	00400	16.42	36.30	26.67		1519.9							
	OBS	00500	15.63	36.17	26.75		1519.0							
	OBS	00600	14.09	35.88	26.87		1515.4							
	OBS	00700	12.80	35.69	26.99		1512.6							
	OBS	00800	10.85	35.43	27.16		1507.1							
	OBS	00900	09.12	35.29	27.35		1502.3							
	OBS	00940	08.42	35.21	27.39		1500.3							
	OBS	00965	08.66	35.34	27.46		1501.8							
	OBS	01000	08.40	35.31	27.48		1501.3							
	OBS	01100	06.06	35.07	27.62		1493.6							
	OBS	01165	05.58	35.07	27.68		1492.7							
	OBS	01200	05.58	35.11	27.71		1493.4							
	OBS	01300	05.14	35.07	27.74		1493.2							
	OBS	01400	04.87	35.05	27.75		1493.7							
	OBS	01500	04.61	35.03	27.77		1494.3							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 04206	AIR TEMP 29.4	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0023	MONTH 09	SHIP AI	WET BULB 24.4	12 1 3	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 14	DATA USE 1	BAROMETR 1023.4	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 48
LONG 048 02 W	HOUR 18.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 023	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	26.52	36.17	23.77		1539.6							
	OBS	00010	26.51	36.16	23.77		1539.8							
	OBS	00020	26.16	36.16	23.88		1539.1							
	OBS	00030	26.12	36.15	23.88		1539.2							
	OBS	00075	20.10	36.41	25.83		1525.3							
	OBS	00100	18.24	36.50	26.38		1520.6							
	OBS	00125	17.81	36.49	26.48		1519.8							
	OBS	00150	17.56	36.48	26.53		1519.4							
	OBS	00200	17.16	36.45	26.61		1519.1							
	OBS	00250	17.10	36.46	26.63		1519.7							
	OBS	00300	17.04	36.45	26.63		1520.3							
	OBS	00400	16.61	36.35	26.66		1520.6							
	OBS	00500	15.88	36.21	26.72		1519.8							
	OBS	00600	14.17	35.90	26.86		1515.7							
	OBS	00700	12.84	35.69	26.98		1512.7							
	OBS	00800	10.94	35.46	27.16		1507.5							
	OBS	00900	08.89	35.27	27.37		1501.5							
	OBS	01000	07.73	35.17	27.47		1498.6							
	OBS	01100	06.10	35.09	27.63		1493.8							
	OBS	01200	05.61	35.11	27.71		1493.5							
	OBS	01300	04.87	35.07	27.77		1492.1							
	OBS	01400	04.68	35.07	27.79		1493.0							
	OBS	01500	04.24	35.02	27.80		1492.8							
	OBS	01750	04.01	35.01	27.81		1496.0							
	OBS	02000	03.83	35.00	27.83		1499.5							
	OBS	02500	03.42	34.99	27.86		1506.3							
	OBS	03000	02.92	34.96	27.88		1512.8							

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REFID 31 8186	YEAR 1970	BOTDP 04110	AIR TEMP 27.8	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0024	MONTH 09	SHIP AI	WET BULB 22.8	12 1 2	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 15	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 01 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 024	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	26.37	36.14	23.80		1539.2							
	OBS	00010	26.19	36.17	23.88		1539.0							
	OBS	00020	26.23	36.24	23.92		1539.4							
	OBS	00030	25.98	36.27	24.02		1539.0							
	OBS	00050	22.13	36.31	25.19		1530.1							
	OBS	00075	18.59	36.47	26.27		1521.2							
	OBS	00100	17.99	36.47	26.42		1519.9							
	OBS	00125	17.76	36.49	26.49		1519.6							
	OBS	00150	17.55	36.48	26.53		1519.4							
	OBS	00200	17.17	36.44	26.60		1519.1							
	OBS	00250	17.13	36.45	26.61		1519.8							
	OBS	00300	17.05	36.44	26.62		1520.4							
	OBS	00400	16.68	36.36	26.65		1520.8							
	OBS	00500	15.81	36.18	26.72		1519.6							
	OBS	00600	14.13	35.89	26.86		1515.5							
	OBS	00700	12.50	35.65	27.01		1511.5							
	OBS	00800	10.70	35.41	27.17		1506.6							
	OBS	00900	08.78	35.22	27.35		1501.0							
	OBS	01000	06.84	35.08	27.52		1495.0							
	OBS	01100	05.89	35.08	27.65		1492.9							
	OBS	01188	05.51	35.08	27.70		1492.8							
	OBS	01200	05.26	35.04	27.70		1492.0							
	OBS	01235	05.19	35.05	27.71		1492.3							
	OBS	01255	04.87	35.01	27.72		1491.3							
	OBS	01300	04.89	35.05	27.75		1492.2							
	OBS	01400	04.65	35.04	27.77		1492.8							
	OBS	01460	04.33	35.01	27.76		1492.5							
	OBS	01500	04.33	35.01	27.78		1493.1							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04206 AIR TEMP 25.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 09 SHIP AI WET BULB 22.2 12 1 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 15 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 01 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 025 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	26.42	36.24	23.86		1539.5							
	OBS	00010	26.16	36.23	23.93		1539.0							
	OBS	00020	26.06	36.26	23.99		1539.0							
	OBS	00030	25.86	36.25	24.04		1538.7							
	OBS	00050	20.49	36.37	25.69		1525.9							
	OBS	00075	18.59	36.46	26.26		1521.2							
	OBS	00100	17.87	36.49	26.46		1519.5							
	OBS	00125	17.71	36.49	26.50		1519.5							
	OBS	00150	17.53	36.48	26.54		1519.4							
	OBS	00200	17.17	36.44	26.60		1519.1							
	OBS	00250	17.12	36.45	26.61		1519.8							
	OBS	00300	17.06	36.44	26.62		1520.4							
	OBS	00350	16.97	36.42	26.63		1520.9							
	OBS	00400	16.68	36.35	26.64		1520.8							
	OBS	00500	15.63	36.16	26.74		1519.0							
	OBS	00600	14.01	35.88	26.88		1515.1							
	OBS	00700	12.31	35.61	27.02		1510.8							
	OBS	00800	10.23	35.33	27.19		1504.8							
	OBS	00900	08.65	35.20	27.35		1500.5							
	OBS	01000	06.59	35.24 P	27.68Q									
	OBS	01060	06.32	35.08	27.59 *		1494.0							
	OBS	01100	05.81	35.05	27.64		1492.5							
	OBS	01200	05.05	35.03	27.71		1491.1							
	OBS	01270	04.92	35.04	27.74		1491.8							
	OBS	01300	04.70	35.02	27.75		1491.3							
	OBS	01400	04.53	35.02	27.77		1492.3							
	OBS	01500	04.20	34.99	27.78		1492.6							

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REFID 31 8186 YEAR 1970 BOTDP 04480 AIR TEMP 26.7 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1206
CONSEC 0026 MONTH 09 SHIP AI WET BULB 23.9 12 1 3 WIND-SPD 00 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 50 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 026 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	26.13	36.19	23.91		1538.8							
	OBS	00010	26.10	36.18	23.91		1538.8							
	OBS	00020	25.96	36.14	23.93		1538.7							
	OBS	00030	25.24	36.13	24.14		1537.1							
	OBS	00050	21.84	36.33	25.29		1529.4							
	OBS	00075	19.92	36.43	25.89		1524.8							
	OBS	00100	18.75	36.46	26.22		1522.0							
	OBS	00125	18.05	36.48	26.41		1520.5							
	OBS	00150	17.78	36.47	26.47		1520.1							
	OBS	00200	17.44	36.46	26.54		1519.9							
	OBS	00250	17.14	36.43	26.59		1519.8							
	OBS	00300	17.05	36.43	26.62		1520.3							
	OBS	00400	16.55	36.32	26.65		1520.4							
	OBS	00500	15.15	36.03	26.75		1517.3							
	OBS	00600	13.60	35.79	26.90		1513.7							
	OBS	00700	11.12	35.40	27.08		1506.4							
	OBS	00800	09.25	35.19	27.25		1501.0							
	OBS	00900	06.78	35.05	27.51		1493.1							
	OBS	00970	06.52	35.08	27.57		1493.3							
	OBS	01000	06.17	35.11	27.64		1492.4							
	OBS	01009	06.25	35.13	27.64		1492.9							
	OBS	01025	05.72	35.05	27.65		1490.9							
	OBS	01100	05.36	35.05	27.69		1490.7							
	OBS	01130	05.10	35.02	27.70		1490.1							
	OBS	01170	05.12	35.05	27.72		1490.9							
	OBS	01200	04.95	35.04	27.73		1490.7							
	OBS	01300	04.68	35.03	27.76		1491.3							
	OBS	01400	04.47	35.02	27.77		1492.1							
	OBS	01500	04.18	34.98	27.77		1492.5							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04755 AIR TEMP 27.8 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0027 MONTH 09 SHIP AI WET BULB 25.6 16 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1021.3 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 45 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 027 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	26.44	36.23	23.84		1539.5							
	OBS	00010	26.09	36.21	23.94		1538.9							
	OBS	00020	23.99	36.22	24.59		1534.1							
	OBS	00030	22.71	36.39	25.09		1531.3							
	OBS	00050	20.99	36.44	25.61		1527.3							
	OBS	00075	19.00	36.50	26.18		1522.4							
	OBS	00100	18.08	36.49	26.41		1520.1							
	OBS	00125	17.84	36.50	26.48		1519.9							
	OBS	00150	17.61	36.49	26.53		1519.6							
	OBS	00200	17.24	36.45	26.59		1519.3							
	OBS	00250	17.12	36.46	26.62		1519.8							
	OBS	00300	17.01	36.44	26.63		1520.2							
	OBS	00400	16.56	36.33	26.66		1520.4							
	OBS	00500	15.42	36.10	26.74		1518.3							
	OBS	00600	13.65	35.80	26.90		1513.9							
	OBS	00700	12.24	35.55	26.99		1510.5							
	OBS	00800	09.62	35.22	27.21		1502.4							
	OBS	00900	07.94	35.19	27.45		1497.8							
	OBS	01000	06.51	35.14	27.62		1493.8							
	OBS	01100	05.56	35.09	27.70		1491.6							
	OBS	01175	04.96	35.05	27.74		1490.4							
	OBS	01200	05.04	35.07	27.75		1491.1							
	OBS	01300	04.68	35.05	27.77		1491.3							
	OBS	01400	04.50	35.05	27.79		1492.2							
	OBS	01500	04.20	35.02	27.80		1492.6							
	OBS	01600	04.02	35.01	27.81		1493.5							
	OBS	01750	03.92	35.01	27.82		1495.7							
	OBS	02000	03.78	35.02	27.85		1499.3							
	OBS	02500	03.28	35.00	27.88		1505.7							
	OBS	03000	02.87	34.97	27.89		1512.6							

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REFID 31 8186 YEAR 1970 BOTDP 04755 AIR TEMP 25.6 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0028 MONTH 09 SHIP AI WET BULB 21.7 16 1 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 15 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 56 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 028 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	26.49	36.22	23.82		1539.6							
	OBS	00010	26.15	36.19	23.90		1539.0							
	OBS	00020	25.68	36.16	24.03		1538.0							
	OBS	00030	24.26	36.25	24.53		1535.0							
	OBS	00050	21.87	36.36	25.31		1529.5							
	OBS	00075	19.16	36.47	26.12		1522.8							
	OBS	00100	18.31	36.45	26.32		1520.8							
	OBS	00125	17.78	36.48	26.48		1519.7							
	OBS	00150	17.55	36.46	26.52		1519.4							
	OBS	00200	17.21	36.45	26.59		1519.2							
	OBS	00250	17.11	36.45	26.62		1519.7							
	OBS	00300	17.06	36.44	26.62		1520.4							
	OBS	00350	16.95	36.42	26.63		1520.9							
	OBS	00400	16.62	36.34	26.65		1520.6							
	OBS	00500	15.44	36.11	26.75		1518.3							
	OBS	00600	13.65	35.80	26.90		1513.9							
	OBS	00700	11.50	35.47	27.07		1507.8							
	OBS	00800	09.56	35.26	27.25		1502.3							
	OBS	00850	08.83	35.21	27.33		1500.3							
	OBS	00890	07.62	35.11	27.44		1496.3							
	OBS	00900	07.62	35.14	27.46		1496.5							
	OBS	01000	06.72	35.15	27.60		1494.6							
	OBS	01060	05.75	35.07	27.66		1491.7							
	OBS	01100	05.62	35.08	27.68		1491.8							
	OBS	01172	05.41	35.08	27.71		1492.2							
	OBS	01200	05.07	35.06	27.74		1491.2							
	OBS	01225	05.11	35.08	27.75		1491.8							
	OBS	01300	04.84	35.06	27.76		1492.0							
	OBS	01324	04.57	35.02	27.76		1491.2							
	OBS	01355	04.66	35.04	27.77		1492.1							
	OBS	01370	04.51	35.04	27.78		1491.7							
	OBS	01400	04.49	35.03	27.78		1492.2							
	OBS	01500	04.41	35.02	27.78		1493.5							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04755 AIR TEMP 25.6 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0029 MONTH 09 SHIP AI WET BULB 21.7 18 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 16 DATA USE 1 BAROMETR 1020.3 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 57 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 029 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	26.06	36.16	23.91		1538.6							
	OBS	00010	26.06	36.17	23.92		1538.7							
	OBS	00020	25.89	36.10	23.92		1538.4							
	OBS	00030	25.59	36.09	24.00		1537.9							
	OBS	00050	21.99	36.33	25.25		1529.8							
	OBS	00075	19.39	36.41	26.01		1523.3							
	OBS	00100	18.39	36.47	26.32		1521.0							
	OBS	00125	17.84	36.48	26.46		1519.9							
	OBS	00150	17.64	36.49	26.52		1519.7							
	OBS	00200	17.31	36.45	26.57		1519.5							
	OBS	00250	17.14	36.45	26.61		1519.8							
	OBS	00300	17.06	36.44	26.62		1520.4							
	OBS	00400	16.64	36.34	26.65		1520.7							
	OBS	00500	15.32	36.09	26.76		1517.9							
	OBS	00600	13.65	35.81	26.90		1513.9							
	OBS	00700	12.18	35.56	27.01		1510.3							
	OBS	00800	09.70	35.27	27.23		1502.8							
	OBS	00900	07.51	35.06	27.41		1495.9							
	OBS	00965	07.08	35.13	27.53		1495.4							
	OBS	01000	06.43	35.08	27.58		1493.4							
	OBS	01090	05.55	35.05	27.67		1491.3							
	OBS	01100	05.20	35.01	27.68		1490.0							
	OBS	01115	05.07	35.02	27.70		1489.8							
	OBS	01150	05.22	35.06	27.72		1491.0							
	OBS	01200	05.05	35.06	27.74		1491.1							
	OBS	01300	04.63	35.02	27.75		1491.0							
	OBS	01400	04.29	34.99	27.77		1491.3							
	OBS	01500	04.15	34.98	27.78		1492.4							

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REFID 31 8186 YEAR 1970 BOTDP 04846 AIR TEMP 25.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0030 MONTH 09 SHIP AI WET BULB 22.8 18 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 40 N DAY 16 DATA USE 1 BAROMETR 1019.6 SEA 3 WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 54 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 030 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	26.11	36.19	23.92		1536.7							
	OBS	00010	26.04	36.16	23.92		1538.7							
	OBS	00020	25.31	36.19	24.17		1537.2							
	OBS	00030	23.84	36.31	24.70		1534.0							
	OBS	00050	21.49	36.53	25.54		1528.7							
	OBS	00075	19.24	36.48	26.11		1523.0							
	OBS	00100	18.45	36.51	26.33		1521.2							
	OBS	00125	17.84	36.49	26.47		1519.9							
	OBS	00150	17.61	36.49	26.53		1519.6							
	OBS	00200	17.24	36.45	26.59		1519.3							
	OBS	00250	17.05	36.43	26.62		1519.5							
	OBS	00300	16.97	36.42	26.63		1520.1							
	OBS	00400	16.23	36.25	26.67		1519.3							
	OBS	00500	14.73	35.99	26.81		1516.0							
	OBS	00600	13.22	35.73	26.93		1512.4							
	OBS	00700	11.19	35.43	27.09		1506.7							
	OBS	00800	08.96	35.21	27.31		1500.0							
	OBS	00832	08.24	35.14	27.37		1497.7							
	OBS	00845	08.35	35.20	27.40		1498.4							
	OBS	00880	07.47	35.10	27.45		1495.5							
	OBS	00900	07.43	35.13	27.48		1495.7							
	OBS	00910	07.53	35.19	27.51		1496.4							
	OBS	01000	06.18	35.08	27.61		1492.4							
	OBS	01065	05.50	35.05	27.68		1490.7							
	OBS	01100	05.47	35.07	27.70		1491.2							
	OBS	01200	04.99	35.05	27.74		1490.9							
	OBS	01300	04.65	35.02	27.75		1491.1							
	OBS	01400	04.52	35.03	27.78		1492.3							
	OBS	01500	04.35	35.01	27.78		1493.2							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 03475	AIR TEMP 27.2	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0031	MONTH 08	SHIP AI	WET BULB 22.2	18 2 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 16	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 10 W	HOUR 17.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 031	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	25.81	35.87	23.77		1537.7							
	OBS	00010	25.79	35.86	23.77		1537.8							
	OBS	00020	25.33	35.86	23.91		1536.9							
	OBS	00030	25.36	35.94	23.96		1537.2							
	OBS	00075	19.51	36.56	26.10		1523.9							
	OBS	00100	18.75	36.54	26.28		1522.1							
	OBS	00125	18.23	36.53	26.40		1521.0							
	OBS	00150	17.98	36.53	26.47		1520.7							
	OBS	00200	17.48	36.49	26.56		1520.0							
	OBS	00250	17.11	36.45	26.62		1519.7							
	OBS	00300	17.03	36.44	26.63		1520.3							
	OBS	00400	16.14	36.23	26.68		1519.0							
	OBS	00500	13.84	35.78	26.84		1512.8							
	OBS	00600	13.01	35.71	26.96		1511.6							
	OBS	00700	10.39	35.30	27.14		1503.7							
	OBS	00800	08.36	35.14	27.35		1497.6							
	OBS	00900	06.98	35.15	27.56		1494.0							
	OBS	01000	05.63	35.08	27.68		1490.2							
	OBS	01100	05.24	35.09	27.74		1490.3							
	OBS	01200	04.75	35.04	27.76		1489.9							
	OBS	01300	04.44	35.03	27.78		1490.3							
	OBS	01400	04.28	35.03	27.80		1491.3							
	OBS	01500	04.22	35.02	27.80		1492.7							
	OBS	01750	04.00	35.02	27.82		1496.0							
	OBS	02000	03.75	35.01	27.84		1499.2							
	OBS	02500	03.32	34.99	27.87		1505.9							
	OBS	03000	02.85	34.96	27.89		1512.5							

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REFID 31 8186	YEAR 1970	BOTDP 04480	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0032	MONTH 09	SHIP AI	WET BULB 22.2	18	WIND-SPD 14	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 17	DATA USE 1	BAROMETR 1017.9	SEA 3	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 00 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 032	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	25.55	35.68	23.71		1536.9							
	OBS	00010	25.55	35.68	23.71		1537.0							
	OBS	00020	25.30	35.92	23.96		1536.9							
	OBS	00030	24.88	36.04	24.18		1536.2							
	OBS	00050	20.98	36.35	25.54		1527.2							
	OBS	00075	18.93	36.48	26.19		1522.1							
	OBS	00100	17.93	36.51	26.46		1519.7							
	OBS	00125	17.62	36.51	26.54		1519.2							
	OBS	00150	17.33	36.47	26.58		1518.8							
	OBS	00200	17.05	36.43	26.62		1518.7							
	OBS	00250	16.80	36.38	26.64		1518.7							
	OBS	00300	16.36	36.28	26.67		1518.1							
	OBS	00400	15.15	36.07	26.78		1515.7							
	OBS	00500	13.96	35.88	26.89		1513.3							
	OBS	00600	12.60	35.63	26.98		1510.2							
	OBS	00700	09.99	35.27	27.18		1502.2							
	OBS	00778	08.68	35.18	27.33		1498.5							
	OBS	00795	08.83	35.29	27.39		1499.5							
	OBS	00800	08.74	35.26	27.38		1499.2							
	OBS	00900	06.65	35.09	27.56		1492.6							
	OBS	00940	06.04	35.03	27.59		1490.8							
	OBS	00955	06.38	35.14	27.63		1492.5							
	OBS	00975	06.40	35.16	27.65		1493.0							
	OBS	01000	06.18	35.14	27.66		1492.5							
	OBS	01055	05.20	35.03	27.70		1489.3							
	OBS	01100	05.39	35.10	27.73		1490.9							
	OBS	01200	05.12	35.08	27.75		1491.5							
	OBS	01300	04.57	35.01	27.75		1490.8							
	OBS	01330	04.37	34.98	27.75		1490.4							
	OBS	01400	04.25	34.99	27.77		1491.1							
	OBS	01420	04.22	34.98	27.77		1491.3							
	OBS	01430	04.38	35.01	27.77		1492.2							
	OBS	01500	04.27	34.99	27.77		1492.9							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 05029 AIR TEMP 25.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0033 MONTH 09 SHIP A1 WET BULB 22.2 18 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 17 DATA USE 1 BAROMETR 1017.3 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 033 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	25.88	36.11	23.93		1538.1							
	OBS	00010	26.33	36.59	24.15		1539.8							
	OBS	00020	26.08	36.65	24.27		1539.5							
	OBS	00030	23.98	36.46	24.77		1534.5							
	OBS	00050	20.32	36.38	25.75		1525.4							
	OBS	00075	18.03	36.41	26.36		1519.5							
	OBS	00100	17.33	36.41	26.53		1517.9							
	OBS	00125	17.06	36.42	26.61		1517.5							
	OBS	00150	16.99	36.42	26.62		1517.7							
	OBS	00200	16.79	36.39	26.65		1517.9							
	OBS	00250	16.46	36.33	26.68		1517.6							
	OBS	00300	15.95	36.21	26.71		1516.8							
	OBS	00400	14.42	35.93	26.83		1513.2							
	OBS	00500	13.19	35.71	26.92		1510.6							
	OBS	00600	11.44	35.49	27.09		1506.0							
	OBS	00700	09.14	35.20	27.27		1499.0							
	OBS	00775	07.93	35.17	27.44		1495.6							
	OBS	00800	07.88	35.22	27.48		1495.9							
	OBS	00820	08.07	35.29	27.51		1497.1							
	OBS	00900	07.10	35.21	27.59		1494.5							
	OBS	01000	06.00	35.11	27.66		1491.7							
	OBS	01050	05.71	35.13	27.71		1491.4							
	OBS	01100	05.67	35.14	27.73		1492.1							
	OBS	01150	05.32	35.10	27.74		1491.5							
	OBS	01160	05.45	35.13	27.75		1492.2							
	OBS	01200	05.37	35.12	27.75		1492.5							
	OBS	01300	05.03	35.10	27.77		1492.8							
	OBS	01400	04.58	35.05	27.78		1492.6							
	OBS	01500	04.35	35.02	27.79		1493.2							

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REFID 31 8186 YEAR 1970 BOTDP 04389 AIR TEMP 26.1 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0034 MONTH 09 SHIP A1 WET BULB 22.2 25 WIND-SPD 21 TRACE DIR D 5 SQUARE 2
LAT 34 30 N DAY 17 DATA USE 1 BAROMETR 1015.9 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 50 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 034 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.63	35.69	23.69		1537.1							
	OBS	00010	25.62	35.70	23.70		1537.2							
	OBS	00020	25.30	36.00	24.03		1537.0							
	OBS	00030	23.27	36.25	24.82		1532.6							
	OBS	00050	19.74	36.40	25.92		1523.9							
	OBS	00075	18.35	36.43	26.30		1520.4							
	OBS	00100	17.91	36.49	26.45		1519.7							
	OBS	00125	17.62	36.49	26.52		1519.2							
	OBS	00150	17.37	36.47	26.57		1518.9							
	OBS	00200	17.12	36.45	26.61		1518.9							
	OBS	00250	16.87	36.40	26.64		1519.0							
	OBS	00300	16.37	36.29	26.67		1518.1							
	OBS	00350	15.49	36.09	26.72		1516.0							
	OBS	00400	15.22	36.10	26.79		1516.0							
	OBS	00500	14.05	35.91	26.90		1513.7							
	OBS	00600	12.37	35.60	27.00		1509.3							
	OBS	00700	10.01	35.29	27.20		1502.3							
	OBS	00775	08.71	35.22	27.36		1498.6							
	OBS	00790	08.92	35.30	27.39		1499.8							
	OBS	00800	08.73	35.28	27.40		1499.2							
	OBS	00900	06.58	35.09	27.57		1492.3							
	OBS	00915	07.03	35.18	27.58		1494.5							
	OBS	00960	05.96	35.04	27.61		1490.8							
	OBS	00980	06.13	35.11	27.64		1491.9							
	OBS	01000	05.86	35.09	27.66		1491.1							
	OBS	01015	05.67	35.06	27.66		1490.6							
	OBS	01035	05.95	35.14	27.69		1492.1							
	OBS	01100	05.49	35.10	27.72		1491.3							
	OBS	01135	05.41	35.11	27.73		1491.6							
	OBS	01150	05.59	35.16	27.75		1492.6							
	OBS	01200	05.07	35.08	27.75		1491.3							
	OBS	01280	04.56	35.02	27.76		1490.4							
	OBS	01300	04.75	35.06	27.77		1491.6							
	OBS	01315	04.67	35.04	27.77		1491.5							
	OBS	01330	04.81	35.08	27.78		1492.4							
	OBS	01400	04.54	35.05	27.79		1492.4							
	OBS	01500	04.38	35.02	27.78		1493.4							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 05121 AIR TEMP 24.4 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0035 MONTH 09 SHIP AI WET BULB 22.8 25 WIND-SPD 30 TRACE DIR D 5 SQUARE 2
LAT 34 50 N DAY 17 DATA USE 1 BAROMETR 1012.9 SEA 4 WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 55 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E46 035 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	26.03	36.23	23.97		1538.6							
	OBS	00010	26.01	36.23	23.98		1538.7							
	OBS	00020	25.23	36.10	24.12		1536.9							
	OBS	00030	22.69	36.21 Q	24.96Q									
	OBS	00050	20.32	36.43	25.78		1525.5							
	OBS	00075	19.06	36.51	26.18		1522.5							
	OBS	00100	18.33	36.49	26.35		1520.9							
	OBS	00125	17.95	36.53	26.47		1520.2							
	OBS	00150	17.68	36.49	26.51		1519.8							
	OBS	00200	17.36	36.48	26.58		1519.7							
	OBS	00250	17.13	36.44	26.60		1519.8							
	OBS	00300	17.02	36.44	26.63		1520.3							
	OBS	00400	16.35	36.30	26.68		1519.7							
	OBS	00500	15.08	36.07	26.80		1517.2							
	OBS	00600	12.48	35.61	26.99		1509.7							
	OBS	00700	10.33	35.36	27.19		1503.5							
	OBS	00800	08.00	35.12	27.39		1496.2							
	OBS	00830	07.88	35.22	27.48		1496.4							
	OBS	00900	06.59	35.13	27.60		1492.4							
	OBS	01000	05.65	35.07	27.67		1490.3							
	OBS	01055	05.20	35.04	27.70		1489.3							
	OBS	01080	05.33	35.09	27.73		1490.3							
	OBS	01100	05.25	35.08	27.73		1490.3							
	OBS	01200	04.86	35.07	27.77		1490.4							
	OBS	01300	04.56	35.05	27.79		1490.8							
	OBS	01400	04.35	35.02	27.79		1491.6							
	OBS	01500	04.24	35.02	27.80		1492.8							
	OBS	01750	04.00	35.00	27.81		1496.0							
	OBS	02000	03.70	34.99	27.83		1498.9							
	OBS	02500	03.24	34.96	27.85		1505.5							
	OBS	03000	02.87	34.92	27.85		1512.5							

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REFID 31 8186 YEAR 1970 BOTDP 04755 AIR TEMP 25.0 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206
CONSEC 0036 MONTH 09 SHIP AI WET BULB 22.8 25 WIND-SPD 25 TRACE DIR D 5 SQUARE 2
LAT 34 51 N DAY 18 DATA USE 1 BAROMETR 1011.2 SEA 4 WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 58 W HOUR 00.2 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E46 036 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	26.00	36.16	23.93		1538.4							
	OBS	00010	25.98	36.21	23.97		1538.6							
	OBS	00020	25.97	36.21	23.98		1538.8							
	OBS	00030	25.85	36.21	24.01		1538.6							
	OBS	00050	21.81	36.35	25.32		1529.3							
	OBS	00075	18.93	36.44	26.16		1522.1							
	OBS	00100	18.05	36.48	26.41		1520.0							
	OBS	00125	17.75	36.51	26.51		1519.6							
	OBS	00150	17.58	36.49	26.53		1519.5							
	OBS	00200	17.18	36.45	26.60		1519.1							
	OBS	00250	17.07	36.46	26.63		1519.6							
	OBS	00300	17.00	36.45	26.64		1520.2							
	OBS	00400	16.29	36.28	26.68		1519.5							
	OBS	00500	15.23	36.10	26.79		1517.7							
	OBS	00600	13.48	35.79	26.92		1513.3							
	OBS	00700	11.34	35.42	27.06		1507.2							
	OBS	00800	09.57	35.26	27.25		1502.3							
	OBS	00880	07.62	35.09	27.42		1496.1							
	OBS	00900	07.70	35.13	27.44		1496.8							
	OBS	00945	06.57	35.06	27.55		1493.0							
	OBS	00970	06.59	35.10	27.57		1493.6							
	OBS	01000	06.24	35.06	27.59		1492.6							
	OBS	01100	05.57	35.06	27.68		1491.6							
	OBS	01180	05.06	35.02	27.71		1490.8							
	OBS	01200	05.20	35.07	27.73		1491.8							
	OBS	01265	04.75	35.01	27.73		1490.9							
	OBS	01280	04.84	35.05	27.75		1491.6							
	OBS	01300	04.70	35.02	27.75		1491.3							
	OBS	01335	04.42	35.01	27.77		1490.7							
	OBS	01400	04.33	35.00	27.77		1491.5							
	OBS	01500	04.14	34.97	27.77		1492.3							

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TABLE XXV.—Continued

REFID	31 8186	YEAR	1970	BOTDP	04206	AIR TEMP	21.1	DIR HGT PER		WIND-DIR	20	INST STD RECORDER		TEN SQ	1206
CONSEC	0037	MONTH	09	SHIP	AI	WET BULB	16.1	36 2 3		WIND-SPD	08	TRACE DIR	D	5 SQUARE	4
LAT	35 24 N	DAY	20	DATA USE	1	BAROMETR	1013.9	SEA		WIND-FOR		DURATION	00.4	2 SQUARE	46
LONG	047 42 W	HOUR	06.1	AREA	05	CLOUD T/A		CL/TR		WEATHER	X0	ORIG E46 037		1 SQUARE	57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	25.43	36.19	24.13		1537.2							
	OBS	00010	25.43	36.19	24.13		1537.3							
	OBS	00020	25.43	36.19	24.13		1537.5							
	OBS	00030	24.51	36.30	24.49		1535.6							
	OBS	00050	21.07	36.51	25.64		1527.6							
	OBS	00075	19.38	36.53	26.11		1523.5							
	OBS	00100	18.20	36.50	26.39		1520.5							
	OBS	00125	17.85	36.50	26.47		1519.9							
	OBS	00150	17.61	36.51	26.54		1519.6							
	OBS	00200	17.35	36.49	26.59		1519.7							
	OBS	00250	17.03	36.44	26.63		1519.5							
	OBS	00300	16.83	36.39	26.64		1519.6							
	OBS	00400	15.33	36.07	26.74		1516.3							
	OBS	00420	15.41	36.13	26.77		1517.0							
	OBS	00500	14.44	35.90	26.81		1514.9							
	OBS	00600	12.82	35.67	26.97		1510.9							
	OBS	00700	10.75	35.42	27.17		1505.1							
	OBS	00800	09.32	35.31	27.33		1501.4							
	OBS	00900	06.95	35.05	27.49		1493.7							
	OBS	01000	05.99	35.07	27.63		1491.6							
	OBS	01100	05.15	35.03	27.70		1489.8							
	OBS	01170	05.21	35.08	27.73		1491.3							
	OBS	01200	05.08	35.07	27.74		1491.3							
	OBS	01250	04.93	35.04	27.74		1491.5							
	OBS	01300	04.90	35.06	27.76		1492.2							
	OBS	01400	04.59	35.03	27.77		1492.6							
	OBS	01500	04.48	35.03	27.78		1493.8							

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REFID	31 8186	YEAR	1970	BOTDP	03111	AIR TEMP	25.0	DIR HGT PER		WIND-DIR	21	INST STD RECORDER		TEN SQ	1206
CONSEC	0038	MONTH	09	SHIP	AI	WET BULB	21.1	04		WIND-SPD	15	TRACE DIR	D	5 SQUARE	4
LAT	35 06 N	DAY	20	DATA USE	1	BAROMETR	1013.2	SEA	2	WIND-FOR		DURATION	09.3	2 SQUARE	46
LONG	047 53 W	HOUR	09.3	AREA	05	CLOUD T/A		CL/TR		WEATHER	X1	ORIG E46 038		1 SQUARE	57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.3	OBS	00000	25.29	36.10	24.10		1536.7							
	OBS	00010	25.29	36.10	24.10		1536.9							
	OBS	00020	25.30	36.12	24.12		1537.1							
	OBS	00030	24.53	36.23	24.43		1535.6							
	OBS	00050	21.43	36.43	25.48		1528.4							
	OBS	00075	18.86	36.54	26.25		1522.0							
	OBS	00100	18.33	36.54	26.39		1520.9							
	OBS	00125	18.00	36.53	26.46		1520.4							
	OBS	00150	17.78	36.53	26.52		1520.1							
	OBS	00200	17.40	36.48	26.57		1519.8							
	OBS	00250	17.10	36.45	26.62		1519.7							
	OBS	00300	16.96	36.42	26.63		1520.1							
	OBS	00400	16.21	36.28	26.70		1519.3							
	OBS	00500	14.68	35.99	26.82		1515.8							
	OBS	00508	14.78	36.03	26.83		1516.3							
	OBS	00600	12.89	35.70	26.97		1511.2							
	OBS	00635	12.56	35.68	27.03		1510.7							
	OBS	00700	10.56	35.37	27.16		1504.4							
	OBS	00800	08.72	35.26	27.39		1499.1							
	OBS	00810	08.70	35.32	27.44		1499.3							
	OBS	00860	07.16	35.07	27.47		1493.9							
	OBS	00900	06.80	35.05	27.51		1493.2							
	OBS	01000	06.03	35.08	27.63		1491.8							
	OBS	01100	05.41	35.06	27.69		1490.9							
	OBS	01200	04.95	35.05	27.74		1490.7							
	OBS	01275	04.65	35.03	27.76		1490.7							
	OBS	01300	04.66	35.04	27.77		1491.2							
	OBS	01400	04.50	35.01	27.76		1492.2							
	OBS	01500	04.23	34.99	27.78		1492.7							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04392 AIR TEMP 26.7 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0039 MONTH 09 SHIP AI WET BULB 22.8 28 WIND-SPD 22 TRACE DIS D 5 SQUARE 4
LAT 35 02 N DAY 20 DATA USE 1 BAROMETR 1010.5 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 59 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E46 039 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	25.29	36.16	24.15		1536.8							
	OBS	00010	25.26	36.15	24.15		1536.9							
	OBS	00020	25.22	36.13	24.15		1536.9							
	OBS	00030	24.22	36.19	24.50		1534.8							
	OBS	00050	20.72	36.43	25.66		1526.6							
	OBS	00075	19.06	36.47	26.15		1522.5							
	OBS	00100	18.42	36.52	26.35		1521.2							
	OBS	00125	17.92	36.50	26.46		1520.1							
	OBS	00150	17.68	36.51	26.52		1519.8							
	OBS	00200	17.46	36.50	26.57		1520.0							
	OBS	00250	17.23	36.47	26.60		1520.1							
	OBS	00300	17.08	36.46	26.63		1520.5							
	OBS	00400	16.46	36.32	26.67		1520.1							
	OBS	00500	15.02	36.05	26.79		1516.9							
	OBS	00600	13.59	35.81	26.92		1513.7							
	OBS	00700	11.33	35.50	27.12		1507.3							
	OBS	00800	09.40	35.28	27.29		1501.7							
	OBS	00860	08.61	35.33	27.46		1499.8							
	OBS	00900	07.67	35.26	27.55		1496.8							
	OBS	01000	06.27	35.12	27.63		1492.8							
	OBS	01100	05.56	35.11	27.72		1491.6							
	OBS	01200	05.08	35.09	27.76		1491.3							
	OBS	01300	04.64	35.06	27.79		1491.1							
	OBS	01400	04.52	35.05	27.79		1492.3							
	OBS	01500	04.40	35.06	27.81		1493.5							
	OBS	01750	04.05	35.03	27.83		1496.2							
	OBS	02000	03.82	35.03	27.85		1499.5							
	OBS	02500	03.28	34.99	27.87		1505.7							
	OBS	02900	02.88	34.96	27.89		1510.9							

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REFID 31 8186 YEAR 1970 BOTDP 04846 AIR TEMP 25.0 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206
CONSEC 0040 MONTH 09 SHIP AI WET BULB 21.7 22 2 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 34 51 N DAY 21 DATA USE 1 BAROMETR 1012.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 58 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 040 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	25.32	36.12	24.11		1536.8							
	OBS	00010	25.31	36.13	24.12		1537.0							
	OBS	00020	25.33	36.13	24.11		1537.2							
	OBS	00030	25.33	36.15	24.13		1537.4							
	OBS	00050	20.97	36.43	25.61		1527.2							
	OBS	00075	19.02	36.49	26.17		1522.4							
	OBS	00100	18.12	36.52	26.42		1520.3							
	OBS	00125	17.82	36.51	26.49		1519.8							
	OBS	00150	17.55	36.50	26.55		1519.4							
	OBS	00200	17.18	36.46	26.61		1519.1							
	OBS	00250	17.11	36.47	26.63		1519.7							
	OBS	00300	16.96	36.44	26.65		1520.1							
	OBS	00370	16.58	36.36	26.67		1520.0							
	OBS	00400	16.25	36.28	26.69		1519.4							
	OBS	00500	14.82	36.02	26.82		1516.3							
	OBS	00600	12.73	35.66	26.98		1510.6							
	OBS	00700	11.19	35.47	27.12		1506.7							
	OBS	00800	09.49	35.20	27.21		1501.9							
	OBS	00860	07.39	35.09	27.45		1495.2							
	OBS	00900	07.31	35.11	27.48		1495.2							
	OBS	01000	06.05	35.07	27.62		1491.9							
	OBS	01100	05.35	35.07	27.71		1490.7							
	OBS	01170	04.99	35.03	27.72		1490.4							
	OBS	01200	05.00	35.06	27.74		1490.9							
	OBS	01300	04.61	35.02	27.76		1491.0							
	OBS	01400	04.27	34.98	27.77		1491.2							
	OBS	01460	04.33	35.01	27.78		1492.5							
	OBS	01500	04.20	35.02	27.80		1492.6							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04389 AIR TEMP 25.0 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206
CONSEC 0041 MONTH 09 SHIP AI WET BULB 21.1 22 2 3 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 21 DATA USE 1 BAROMETR 1013.9 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 09 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 041 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	25.00	35.89	24.03		1535.8							
	OBS	00010	25.01	35.93	24.06		1536.1							
	OBS	00020	24.73	36.13	24.30		1535.8							
	OBS	00050	20.83	36.50	25.70		1526.9							
	OBS	00075	19.28	36.50	26.11		1523.1							
	OBS	00100	18.46	36.48	26.30		1521.3							
	OBS	00125	17.83	36.51	26.49		1519.9							
	OBS	00150	17.74	36.53	26.52		1520.0							
	OBS	00200	17.53	36.51	26.56		1520.2							
	OBS	00250	17.28	36.47	26.59		1520.3							
	OBS	00300	17.10	36.45	26.62		1520.5							
	OBS	00400	16.77	36.39	26.65		1521.1							
	OBS	00500	14.89	36.02	26.80		1516.5							
	OBS	00600	13.20	35.70	26.91		1512.3							
	OBS	00700	10.99	35.43	27.13		1506.0							
	OBS	00800	09.14	35.20	27.27		1500.6							
	OBS	00850	08.44	35.26	27.43		1498.9							
	OBS	00885	08.53	35.29	27.44		1499.6							
	OBS	00900	07.92	35.26	27.51		1497.8							
	OBS	00990	06.17	35.12	27.65		1492.3							
	OBS	01000	06.25	35.13	27.64		1492.8							
	OBS	01010	06.01	35.09	27.64		1491.9							
	OBS	01100	05.46	35.07	27.70		1491.2							
	OBS	01150	05.09	35.04	27.72		1490.5							
	OBS	01200	05.07	35.06	27.74		1491.2							
	OBS	01300	04.79	35.04	27.75		1491.7							
	OBS	01400	04.36	35.00	27.77		1491.6							
	OBS	01500	04.25	35.00	27.78		1492.8							

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REFID 31 8186 YEAR 1970 BOTDP 01647 AIR TEMP 23.3 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0042 MONTH 09 SHIP AI WET BULB 18.9 32 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 21 DATA USE 1 BAROMETR 1017.2 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 09 W HOUR 12.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 042 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.55	35.75	24.06		1534.6							
	OBS	00010	24.55	35.75	24.06		1534.8							
	OBS	00020	24.55	35.76	24.07		1534.9							
	OBS	00030	24.55	36.31	24.49		1535.7							
	OBS	00050	21.59	36.50	25.49		1526.9							
	OBS	00075	19.83	36.43	25.91		1524.6							
	OBS	00100	18.68	36.48	26.25		1521.8							
	OBS	00125	18.18	36.52	26.41		1520.9							
	OBS	00150	17.80	36.51	26.49		1520.2							
	OBS	00200	17.54	36.50	26.55		1520.2							
	OBS	00250	17.24	36.45	26.59		1520.1							
	OBS	00300	16.98	36.43	26.63		1520.1							
	OBS	00340	16.84	36.40	26.64		1520.3							
	OBS	00400	15.42	36.09	26.74		1516.6							
	OBS	00500	13.59	35.79	26.90		1512.0							
	OBS	00600	12.59	35.63	26.98		1510.1							
	OBS	00700	09.94	35.25	27.18		1502.0							
	OBS	00715	09.97	35.35	27.25		1502.5							
	OBS	00750	08.85	35.16	27.29		1498.7							
	OBS	00800	08.17	35.16	27.39		1496.9							
	OBS	00900	06.85	35.08	27.52		1493.4							
	OBS	00910	06.79	35.10	27.55		1493.4							
	OBS	00922	07.12	35.20	27.58		1495.0							
	OBS	00930	06.92	35.17	27.58		1494.3							
	OBS	00950	07.16	35.25	27.61		1495.7							
	OBS	01000	06.53	35.18	27.65		1493.9							
	OBS	01075	05.90	35.12	27.68		1492.6							
	OBS	01090	05.48	35.09	27.71		1491.1							
	OBS	01100	05.75	35.15	27.72		1492.4							
	OBS	01160	05.10	35.06	27.73		1490.7							
	OBS	01180	05.37	35.13	27.76		1492.2							
	OBS	01200	05.30	35.12	27.76		1492.3							
	OBS	01300	05.15	35.11	27.77		1493.3							
	OBS	01400	04.68	35.04	27.77		1493.0							
	OBS	01500	04.51	35.03	27.78		1493.9							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 02195 AIR TEMP 26.7 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0043 MONTH 09 SHIP AI WET BULB 21.1 32 2 3 WIND-SPD 09 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 21 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 10 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 043 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	24.72	35.88	24.11		1535.2							
	OBS	00010	24.64	35.89	24.14		1535.1							
	OBS	00020	24.64	35.90	24.15		1535.3							
	OBS	00030	24.23	35.93	24.30		1534.5							
	OBS	00100	18.74	36.48	26.24		1522.0							
	OBS	00125	18.11	36.52	26.43		1520.7							
	OBS	00150	17.86	36.52	26.49		1520.4							
	OBS	00200	17.58	36.51	26.55		1520.4							
	OBS	00250	17.38	36.48	26.57		1520.6							
	OBS	00300	17.09	36.42	26.60		1520.5							
	OBS	00400	16.39	36.29	26.67		1519.8							
	OBS	00500	14.39	35.90	26.82		1514.8							
	OBS	00600	13.11	35.73	26.95		1512.0							
	OBS	00700	10.84	35.39	27.13		1505.4							
	OBS	00800	08.40	35.16	27.36		1497.8							
	OBS	00840	07.72	35.14	27.45		1495.9							
	OBS	00870	07.94	35.24	27.49		1497.3							
	OBS	00900	07.82	35.29	27.55		1497.4							
	OBS	00970	07.20	35.27	27.62		1496.2							
	OBS	00980	07.44	35.34	27.64		1497.4							
	OBS	01000	06.95	35.25	27.64		1495.7							
	OBS	01100	05.77	35.13	27.71		1492.5							
	OBS	01200	05.31	35.09	27.73		1492.3							
	OBS	01300	04.98	35.08	27.76		1492.6							
	OBS	01400	04.70	35.05	27.77		1493.1							
	OBS	01500	04.52	35.03	27.78		1494.0							
	OBS	01530	04.49	35.04	27.79		1494.4							

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REFID 31 8186 YEAR 1970 BOTDP 04522 AIR TEMP 22.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206
CONSEC 0044 MONTH 09 SHIP AI WET BULB 18.3 32 2 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 22 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 16 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 044 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	24.81	35.89	24.09		1535.4							
	OBS	00010	24.66	35.91	24.15		1535.2							
	OBS	00020	24.66	35.91	24.15		1535.4							
	OBS	00030	24.65	35.91	24.16		1535.5							
	OBS	00050	21.75	36.42	25.39		1529.3							
	OBS	00075	19.43	36.46	26.04		1523.5							
	OBS	00100	18.47	36.51	26.33		1521.3							
	OBS	00125	18.02	36.50	26.43		1520.4							
	OBS	00150	17.88	36.51	26.48		1520.4							
	OBS	00200	17.58	36.49	26.53		1520.3							
	OBS	00250	17.29	36.46	26.58		1520.3							
	OBS	00300	17.05	36.43	26.62		1520.3							
	OBS	00360	16.78	36.38	26.64		1520.5							
	OBS	00400	16.20	36.19	26.63		1519.1							
	OBS	00500	14.35	35.92	26.84		1514.6							
	OBS	00600	12.66	35.65	26.98		1510.4							
	OBS	00625	12.40	35.60	27.00		1509.9							
	OBS	00659	12.09	35.61	27.06		1509.4							
	OBS	00700	11.00	35.41	27.11		1506.0							
	OBS	00800	09.00	35.20	27.29		1500.1							
	OBS	00855	07.72	35.11	27.42		1496.1							
	OBS	00865	08.00	35.22	27.47		1497.4							
	OBS	00875	07.77	35.18	27.47		1496.7							
	OBS	00900	07.94	35.28	27.52		1497.9							
	OBS	01000	07.63	35.36	27.63		1498.5							
	OBS	01015	07.57	35.36	27.64		1498.5							
	OBS	01100	06.20	35.17	27.68		1494.3							
	OBS	01150	05.47	35.12	27.74		1492.1							
	OBS	01200	05.28	35.11	27.75		1492.2							
	OBS	01300	04.84	35.06	27.76		1492.0							
	OBS	01400	04.53	35.04	27.78		1492.3							
	OBS	01500	04.23	35.02	27.80		1492.7							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 03931 AIR TEMP 22.2 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0045 MONTH 09 SHIP AI WET BULB 18.3 33 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 22 DATA USE 1 BAROMETR 1016.6 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 045 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	24.45	35.60	23.98		1534.2							
	OBS	00010	24.46	35.60	23.98		1534.4							
	OBS	00020	24.46	35.60	23.98		1534.5							
	OBS	00030	24.46	35.61	23.99		1534.7							
	OBS	00050	22.98	36.11	24.80		1532.0							
	OBS	00075	19.93	36.47	25.92		1524.9							
	OBS	00100	18.48	36.53	26.34		1521.3							
	OBS	00125	18.16	36.53	26.42		1520.8							
	OBS	00150	17.75	36.52	26.51		1520.0							
	OBS	00200	17.29	36.45	26.57		1519.4							
	OBS	00250	16.86	36.41	26.65		1518.9							
	OBS	00300	16.27	36.31	26.71		1517.9							
	OBS	00400	14.67	35.99	26.82		1514.1							
	OBS	00500	13.37	35.77	26.93		1511.3							
	OBS	00600	11.95	35.55	27.04		1507.8							
	OBS	00700	09.70	35.25	27.22		1501.1							
	OBS	00800	07.87	35.13	27.42		1495.8							
	OBS	00825	07.62	35.12	27.44		1495.2							
	OBS	00845	07.95	35.25	27.50		1497.0							
	OBS	00900	07.57	35.27	27.57		1496.4							
	OBS	01000	06.02	35.11	27.66		1491.8							
	OBS	01100	05.33	35.08	27.72		1490.6							
	OBS	01200	04.89	35.06	27.76		1490.5							
	OBS	01300	04.59	35.04	27.78		1490.9							
	OBS	01400	04.45	35.03	27.78		1492.0							
	OBS	01500	04.27	35.02	27.79		1492.9							
	OBS	01510	04.27	35.02	27.79		1493.1							

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REFID 31 8186 YEAR 1970 BOTDP 03749 AIR TEMP 23.9 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0046 MONTH 09 SHIP AI WET BULB 20.6 30 2 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 22 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 046 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	24.30	35.56	24.00		1533.8							
	OBS	00010	24.27	35.56	24.00		1533.9							
	OBS	00020	24.26	35.57	24.02		1534.0							
	OBS	00030	24.18	35.60	24.06		1534.0							
	OBS	00050	23.03	36.32	24.94		1532.4							
	OBS	00075	18.78	36.24	26.04		1521.4							
	OBS	00100	17.78	36.40	26.42		1519.2							
	OBS	00125	17.43	36.46	26.55		1518.6							
	OBS	00150	17.18	36.43	26.59		1518.3							
	OBS	00200	16.90	36.40	26.63		1518.2							
	OBS	00250	16.54	36.31	26.65		1517.8							
	OBS	00300	15.84	36.18	26.71		1516.4							
	OBS	00400	14.54	35.94	26.81		1513.6							
	OBS	00500	13.29	35.75	26.93		1511.0							
	OBS	00600	11.50	35.48	27.08		1506.2							
	OBS	00700	09.67	35.37	27.32		1501.2							
	OBS	00720	09.84	35.40	27.31		1502.1							
	OBS	00755	08.62	35.18	27.34		1497.9							
	OBS	00800	07.80	35.14	27.43		1495.5							
	OBS	00820	07.25	35.09	27.47		1493.6							
	OBS	00855	07.19	35.13	27.51		1494.0							
	OBS	00880	07.64	35.30	27.58		1496.4							
	OBS	00900	07.59	35.28	27.57		1496.5							
	OBS	01000	05.81	35.08	27.66		1490.9							
	OBS	01025	05.88	35.14	27.70		1491.7							
	OBS	01100	05.36	35.08	27.72		1490.8							
	OBS	01200	05.05	35.08	27.75		1491.2							
	OBS	01300	04.77	35.06	27.77		1491.7							
	OBS	01400	04.52	35.04	27.78		1492.3							
	OBS	01500	04.34	35.02	27.79		1493.2							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04114 AIR TEMP 23.9 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0047 MONTH 09 SHIP AI WET BULB 20.0 29 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1021.3 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 00 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 047 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.3	OBS	00000	24.28	35.64	24.06		1533.8							
	OBS	00010	24.22	35.66	24.10		1533.9							
	OBS	00020	24.13	35.66	24.12		1533.8							
	OBS	00030	24.08	35.70	24.17		1533.9							
	OBS	00050	21.38	36.22	25.34		1528.1							
	OBS	00055	21.70	36.49	25.45		1529.3							
	OBS	00075	20.23	36.13	25.58		1525.3							
	OBS	00100	18.15	36.35	26.29		1520.2							
	OBS	00125	17.59	36.44	26.49		1519.1							
	OBS	00150	17.26	36.41	26.55		1518.5							
	OBS	00200	16.99	36.41	26.62		1518.5							
	OBS	00250	16.57	36.33	26.65		1518.0							
	OBS	00300	16.04	36.22	26.69		1517.0							
	OBS	00400	14.73	35.99	26.81		1514.3							
	OBS	00500	13.33	35.78	26.95		1511.1							
	OBS	00600	11.75	35.48	27.03		1507.1							
	OBS	00675	09.64	35.25	27.23		1500.5							
	OBS	00700	09.91	35.37	27.28		1502.0							
	OBS	00730	08.72	35.20	27.34		1497.9							
	OBS	00800	07.75	35.11	27.42		1495.3							
	OBS	00815	07.52	35.11	27.45		1494.6							
	OBS	00850	07.85	35.27	27.53		1496.7							
	OBS	00900	07.60	35.27	27.57		1496.6							
	OBS	00955	06.88	35.13	27.56		1494.5							
	OBS	01000	06.02	35.10	27.65		1491.8							
	OBS	01040	05.54	35.07	27.69		1490.5							
	OBS	01100	05.27	35.07	27.72		1490.4							
	OBS	01200	04.92	35.07	27.76		1490.6							
	OBS	01300	04.67	35.06	27.78		1491.3							
	OBS	01400	04.48	35.03	27.78		1492.1							
	OBS	01500	04.34	35.02	27.79		1493.2							

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REFID 31 8186 YEAR 1970 BOTDP 04389 AIR TEMP 23.3 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0048 MONTH 09 SHIP AI WET BULB 20.0 29 2 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 23 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 58 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 048 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	24.12	35.64	24.11		1533.4							
	OBS	00010	24.02	35.64	24.14		1533.4							
	OBS	00020	24.02	35.64	24.14		1533.5							
	OBS	00030	24.02	35.64	24.14		1533.7							
	OBS	00075	20.13	36.56	25.93		1525.5							
	OBS	00100	19.48	36.51	26.07		1524.1							
	OBS	00125	18.33	36.50	26.36		1521.3							
	OBS	00150	17.23	36.30	26.47		1518.3							
	OBS	00200	16.95	36.37	26.59		1518.3							
	OBS	00220	16.94	36.41	26.63		1518.7							
	OBS	00250	16.70	36.37	26.65		1518.4							
	OBS	00300	16.29	36.26	26.67		1517.9							
	OBS	00400	14.74	35.94	26.77		1514.3							
	OBS	00490	13.95	35.86	26.88		1513.1							
	OBS	00500	13.64	35.78	26.86		1512.2							
	OBS	00600	11.91	35.55	27.05		1507.7							
	OBS	00700	10.13	35.31	27.19		1502.8							
	OBS	00730	09.40	35.21	27.24		1500.5							
	OBS	00740	09.50	35.30	27.29		1501.1							
	OBS	00800	08.15	35.14	27.38		1496.8							
	OBS	00830	07.51	35.11	27.45		1494.8							
	OBS	00850	07.85	35.24	27.50		1496.7							
	OBS	00900	07.64	35.28	27.57		1496.7							
	OBS	01000	06.13	35.12	27.65		1492.3							
	OBS	01100	05.35	35.08	27.72		1490.7							
	OBS	01200	04.97	35.07	27.76		1490.8							
	OBS	01300	04.59	35.03	27.77		1490.9							
	OBS	01400	04.42	35.02	27.78		1491.9							
	OBS	01500	04.17	35.00	27.79		1492.5							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 02926	AIR TEMP 24.4	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1206
CONSEC 0049	MONTH 09	SHIP AI	WET BULB 22.2	29	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 23	DATA USE 1	BAROMETR 1022.7	SEA 3	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 07 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 049	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.99	35.63	24.14		1533.1							
	OBS	00010	23.99	35.64	24.15		1533.3							
	OBS	00020	24.01	35.65	24.15		1533.5							
	OBS	00030	23.99	35.67	24.17		1533.7							
	OBS	00050	23.14	35.72	24.46		1532.0							
	OBS	00075	18.28	36.12	26.08		1519.9							
	OBS	00100	18.39	36.47	26.32		1521.0							
	OBS	00125	18.04	36.47	26.40		1520.4							
	OBS	00150	17.65	36.39	26.44		1519.6							
	OBS	00200	17.15	36.40	26.57		1519.0							
	OBS	00250	16.98	36.41	26.62		1519.3							
	OBS	00300	16.50	36.31	26.66		1518.5							
	OBS	00400	15.00	36.12	26.85		1515.3							
	OBS	00500	13.55	35.79	26.91		1511.9							
	OBS	00600	11.75	35.51	27.05		1507.1							
	OBS	00605	11.41	35.42	27.05		1505.9							
	OBS	00650	11.10	35.46	27.13		1505.6							
	OBS	00700	09.90	35.28	27.21		1501.9							
	OBS	00750	08.95	35.18	27.29		1499.1							
	OBS	00800	08.65	35.25	27.39		1498.9							
	OBS	00840	07.51	35.07	27.42		1495.0							
	OBS	00900	06.83	35.08	27.53		1493.3							
	OBS	00970	06.59	35.16	27.62		1493.6							
	OBS	00980	06.90	35.24	27.64		1495.1							
	OBS	01000	06.45	35.17	27.65		1493.6							
	OBS	01060	05.34	35.07	27.71		1490.0							
	OBS	01100	05.21	35.04	27.70		1490.1							
	OBS	01115	05.12	35.05	27.72		1490.0							
	OBS	01135	05.41	35.12	27.74		1491.6							
	OBS	01160	05.09	35.07	27.74		1490.7							
	OBS	01200	05.26	35.12	27.76		1492.1							
	OBS	01270	05.20	35.13	27.78		1493.0							
	OBS	01300	04.97	35.09	27.77		1492.5							
	OBS	01400	04.45	35.04	27.79		1492.0							
	OBS	01500	04.27	35.02	27.79		1492.9							

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REFID 31 8186	YEAR 1970	BOTDP 03843	AIR TEMP 26.7	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1206
CONSEC 0050	MONTH 09	SHIP AI	WET BULB 22.8	09	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 23	DATA USE 1	BAROMETR 1021.0	SEA 3	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 10 W	HOUR 18.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 050	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.5	OBS	00000	24.05	35.57	24.08		1533.2							
	OBS	00010	23.98	35.65	24.16		1533.3							
	OBS	00020	24.00	35.66	24.16		1533.5							
	OBS	00030	23.38	35.71	24.38		1532.2							
	OBS	00050	20.98	36.32	25.52		1527.1							
	OBS	00075	19.23	36.22	25.91		1522.7							
	OBS	00100	18.35	36.38	26.26		1520.8							
	OBS	00125	18.18	36.49	26.39		1520.8							
	OBS	00150	17.98	36.49	26.43		1520.7							
	OBS	00200	17.53	36.44	26.51		1520.1							
	OBS	00250	16.97	36.41	26.62		1519.3							
	OBS	00300	16.51	36.33	26.67		1518.6							
	OBS	00400	14.99	36.05	26.80		1515.2							
	OBS	00500	13.49	35.80	26.93		1511.7							
	OBS	00600	12.04	35.59	27.06		1508.2							
	OBS	00700	09.82	35.32	27.25		1501.6							
	OBS	00770	08.71	35.20	27.34		1498.5							
	OBS	00780	09.01	35.31	27.38		1500.0							
	OBS	00800	08.49	35.23	27.40		1498.2							
	OBS	00900	06.75	35.12	27.57		1493.1							
	OBS	00920	07.31	35.32	27.65		1495.8							
	OBS	01000	06.29	35.19	27.69		1493.0							
	OBS	01100	05.44	35.15	27.76		1491.2							
	OBS	01180	05.24	35.12	27.76		1491.7							
	OBS	01200	05.39	35.16	27.78		1492.7							
	OBS	01300	04.90	35.10	27.79		1492.3							
	OBS	01400	04.62	35.08	27.80		1492.8							
	OBS	01500	04.42	35.07	27.82		1493.6							
	OBS	01750	04.03	35.05	27.84		1496.2							
	OBS	02000	03.78	35.05	27.87		1499.4							
	OBS	02500	03.22	35.00	27.89		1505.5							
	OBS	03000	02.74	34.97	27.91		1512.0							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04389 AIR TEMP 27.2 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0051 MONTH 09 SHIP AI WET BULB 23.9 10 1 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 24 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 08 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 051 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.2	OBS	00000	23.99	35.59	24.11		1533.1							
	OBS	00010	23.99	35.59	24.11		1533.2							
	OBS	00020	23.73	35.53	24.14		1532.7							
	OBS	00030	23.78	35.62	24.20		1533.1							
	OBS	00050	22.48	35.77	24.69		1530.4							
	OBS	00075	19.48	36.20	25.83		1523.3							
	OBS	00100	18.62	36.48	26.27		1521.7							
	OBS	00125	18.13	36.45	26.37		1520.7							
	OBS	00150	17.70	36.44	26.47		1519.8							
	OBS	00200	17.24	36.45	26.59		1519.3							
	OBS	00250	16.92	36.40	26.62		1519.1							
	OBS	00300	16.63	36.34	26.65		1519.0							
	OBS	00345	16.36	36.30	26.68		1518.9							
	OBS	00400	15.34	36.06	26.73		1516.3							
	OBS	00500	13.63	35.81	26.91		1512.2							
	OBS	00600	12.50	35.63	27.00		1509.8							
	OBS	00640	11.44	35.49	27.09		1506.6							
	OBS	00670	11.38	35.49	27.11		1506.9							
	OBS	00700	10.15	35.31	27.19		1502.8							
	OBS	00800	08.23	35.16	27.38		1497.2							
	OBS	00875	07.29	35.13	27.50		1494.8							
	OBS	00900	07.55	35.28	27.58		1496.4							
	OBS	00920	07.63	35.31	27.59		1497.1							
	OBS	01000	06.26	35.14	27.65		1492.8							
	OBS	01100	05.46	35.09	27.71		1491.2							
	OBS	01200	05.04	35.07	27.75		1491.1							
	OBS	01300	04.76	35.04	27.76		1491.6							
	OBS	01400	04.55	35.03	27.77		1492.4							
	OBS	01500	04.51	35.04	27.78		1493.9							

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REFID 31 8186 YEAR 1970 BOTDP 04572 AIR TEMP 25.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0052 MONTH 09 SHIP AI WET BULB 20.6 10 1 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 24 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 01 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E46 052 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	24.00	35.62	24.13		1533.1							
	OBS	00010	23.98	35.62	24.14		1533.3							
	OBS	00020	23.98	35.65	24.16		1533.4							
	OBS	00030	23.97	35.66	24.17		1533.6							
	OBS	00050	21.32	36.04	25.22		1527.7							
	OBS	00075	18.57	36.28	26.13		1520.9							
	OBS	00085	18.97	36.42	26.13		1522.3							
	OBS	00100	18.67	36.48	26.25		1521.8							
	OBS	00125	18.14	36.47	26.38		1520.7							
	OBS	00150	17.83	36.39	26.40		1520.1							
	OBS	00200	17.29	36.45	26.57		1519.4							
	OBS	00250	16.58	36.40	26.61		1519.3							
	OBS	00300	16.57	36.33	26.65		1518.8							
	OBS	00400	15.19	36.06	26.76		1515.8							
	OBS	00500	13.64	35.83	26.92		1512.2							
	OBS	00600	12.00	35.55	27.03		1508.0							
	OBS	00625	11.58	35.48	27.06		1506.9							
	OBS	00640	11.71	35.54	27.08		1507.7							
	OBS	00700	10.21	35.34	27.20		1503.1							
	OBS	00800	08.35	35.15	27.36		1497.6							
	OBS	00825	07.87	35.17	27.45		1496.2							
	OBS	00860	08.12	35.30	27.51		1497.9							
	OBS	00900	07.75	35.29	27.56		1497.2							
	OBS	00960	07.03	35.21	27.60		1495.3							
	OBS	01000	06.04	35.09	27.64		1491.9							
	OBS	01100	05.36	35.06	27.70		1490.7							
	OBS	01130	05.51	35.11	27.72		1491.9							
	OBS	01200	05.04	35.07	27.75		1491.1							
	OBS	01300	04.78	35.06	27.77		1491.7							
	OBS	01400	04.48	35.04	27.79		1492.1							
	OBS	01500	04.32	35.03	27.80		1493.1							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04038 AIR TEMP 26.1 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0053 MONTH 09 SHIP AI WET BULB 22.2 11 1 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 47 N DAY 24 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 053 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	23.98	35.59	24.11		1533.1							
	OBS	00010	23.93	35.59	24.13		1533.1							
	OBS	00020	23.97	35.65	24.16		1533.4							
	OBS	00030	23.87	35.72	24.24		1533.4							
	OBS	00050	20.97	36.02	25.30		1526.7							
	OBS	00070	18.88	36.09	25.90		1521.5							
	OBS	00075	19.22	36.32	25.99		1522.8							
	OBS	00100	18.57	36.49	26.29		1521.5							
	OBS	00125	18.14	36.51	26.41		1520.8							
	OBS	00150	17.58	36.39	26.46		1519.4							
	OBS	00155	17.84	36.53	26.50		1520.4							
	OBS	00200	17.53	36.48	26.54		1520.2							
	OBS	00250	16.98	36.49	26.68		1519.4							
	OBS	00300	16.53	36.35	26.68		1518.7							
	OBS	00400	15.08	36.05	26.78		1515.5							
	OBS	00500	13.48	35.77	26.91		1511.6							
	OBS	00600	11.99	35.56	27.04		1508.0							
	OBS	00640	11.30	35.52	27.14		1506.2							
	OBS	00700	09.94	35.33	27.24		1502.1							
	OBS	00765	08.58	35.19	27.35		1498.0							
	OBS	00782	08.90	35.30	27.39		1499.6							
	OBS	00800	08.59	35.26	27.41		1498.7							
	OBS	00870	07.89	35.26	27.51		1497.2							
	OBS	00900	06.89	35.12	27.55		1493.6							
	OBS	00920	06.53	35.08	27.57		1492.5							
	OBS	01000	05.95	35.08	27.64		1491.5							
	OBS	01080	05.60	35.09	27.70		1491.4							
	OBS	01100	05.45	35.07	27.70		1491.1							
	OBS	01200	04.84	35.06	27.76		1490.3							
	OBS	01300	04.60	35.05	27.78		1491.0							
	OBS	01400	04.46	35.04	27.79		1492.0							
	OBS	01510	04.26	35.03	27.80		1493.1							

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REFID 31 8186 YEAR 1970 BOTDP 04206 AIR TEMP 28.5 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206
CONSEC 0054 MONTH 09 SHIP AI WET BULB 24.4 11 2 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 24 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 048 00 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 054 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.0	OBS	00000	23.67	35.39	24.05		1532.1							
	OBS	00010	23.47	35.43	24.14		1531.8							
	OBS	00020	23.24	35.46	24.23		1531.4							
	OBS	00030	23.21	35.46	24.24		1531.5							
	OBS	00050	20.92	36.08	25.36		1526.7							
	OBS	00075	18.94	36.26	26.02		1521.9							
	OBS	00100	18.22	36.40	26.31		1520.4							
	OBS	00125	17.92	36.53	26.48		1520.1							
	OBS	00150	17.63	36.50	26.53		1519.7							
	OBS	00200	17.28	36.45	26.58		1519.4							
	OBS	00250	16.97	36.40	26.61		1519.2							
	OBS	00300	16.39	36.32	26.69		1516.2							
	OBS	00400	14.48	35.95	26.84		1513.5							
	OBS	00500	13.18	35.73	26.94		1510.6							
	OBS	00600	11.51	35.51	27.10		1506.3							
	OBS	00700	09.38	35.25	27.27		1499.9							
	OBS	00785	07.78	35.14	27.44		1495.2							
	OBS	00800	07.99	35.26	27.50		1496.4							
	OBS	00900	06.79	35.17	27.60		1493.3							
	OBS	01000	05.65	35.10	27.70		1490.3							
	OBS	01100	05.31	35.10	27.74		1490.6							
	OBS	01200	04.84	35.07	27.77		1490.3							
	OBS	01300	04.58	35.06	27.79		1490.9							
	OBS	01400	04.28	35.03	27.80		1491.3							
	OBS	01500	04.15	35.02	27.81		1492.4							
	OBS	01750	03.88	35.03	27.84		1495.5							
	OBS	02000	03.67	35.01	27.85		1498.8							
	OBS	02500	03.23	34.99	27.88		1505.5							
	OBS	03000	02.81	34.95	27.88		1512.3							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 04572	AIR TEMP 23.3	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1206
CONSEC 0055	MONTH 09	SHIP AI	WET BULB 20.0	11 1 3	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 25	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 52 W	HOUR 00.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 055	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.3	OBS	00000	23.91	35.37	23.97		1532.6							
	OBS	00010	23.59	35.37	24.06		1532.0							
	OBS	00020	23.55	35.36	24.07		1532.1							
	OBS	00030	23.41	35.46	24.18		1532.0							
	OBS	00050	19.98	36.07	25.60		1524.1							
	OBS	00075	18.79	36.38	26.15		1521.6							
	OBS	00100	18.33	36.52	26.37		1520.9							
	OBS	00125	17.98	36.52	26.46		1520.3							
	OBS	00150	17.70	36.51	26.52		1519.9							
	OBS	00200	17.41	36.48	26.57		1519.8							
	OBS	00250	16.99	36.39	26.60		1519.3							
	OBS	00300	16.51	36.31	26.65		1518.6							
	OBS	00400	14.75	35.98	26.80		1514.4							
	OBS	00500	13.50	35.80	26.93		1511.7							
	OBS	00600	11.99	35.57	27.05		1508.0							
	OBS	00700	10.08	35.35	27.23		1502.6							
	OBS	00790	08.22	35.19	27.41		1497.0							
	OBS	00800	08.60	35.29	27.43		1498.7							
	OBS	00900	06.75	35.08	27.54		1493.0							
	OBS	01000	05.68	35.08	27.68		1490.4							
	OBS	01100	05.10	35.06	27.73		1489.7							
	OBS	01200	04.70	35.04	27.76		1489.7							
	OBS	01300	04.57	35.04	27.78		1490.8							
	OBS	01400	04.46	35.03	27.78		1492.0							
	OBS	01500	04.16	35.00	27.79		1492.4							

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REFID 31 8186	YEAR 1970	BOTDP 04572	AIR TEMP 23.9	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1206
CONSEC 0056	MONTH 09	SHIP AI	WET BULB 20.6	11 0 3	WIND-SPD 04	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 25	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 53 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 056	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	23.71	35.39	24.04		1532.2							
	OBS	00010	23.71	35.39	24.04		1532.3							
	OBS	00020	23.61	35.40	24.08		1532.3							
	OBS	00030	23.58	35.46	24.13		1532.4							
	OBS	00050	21.63	35.98	25.08		1528.4							
	OBS	00075	20.98	36.52	25.67		1527.8							
	OBS	00100	18.33	36.42	26.29		1520.8							
	OBS	00125	17.67	36.44	26.47		1519.3							
	OBS	00130	17.89	36.51	26.47		1520.1							
	OBS	00150	17.71	36.51	26.52		1519.9							
	OBS	00200	17.38	36.48	26.57		1519.7							
	OBS	00250	16.79	36.39	26.65		1518.7							
	OBS	00300	16.44	36.29	26.65		1518.3							
	OBS	00400	14.69	35.95	26.79		1514.1							
	OBS	00500	13.26	35.73	26.92		1510.8							
	OBS	00600	11.79	35.54	27.07		1507.3							
	OBS	00700	09.51	35.25	27.25		1500.4							
	OBS	00745	08.70	35.20	27.34		1498.1							
	OBS	00760	09.03	35.31	27.38		1499.7							
	OBS	00800	08.42	35.25	27.43		1498.0							
	OBS	00900	06.35	35.06	27.58		1491.4							
	OBS	01000	05.71	35.08	27.67		1490.5							
	OBS	01080	05.20	35.05	27.71		1489.7							
	OBS	01100	05.19	35.07	27.73		1490.1							
	OBS	01140	04.85	35.03	27.74		1489.3							
	OBS	01200	04.67	35.03	27.76		1489.6							
	OBS	01300	04.43	35.01	27.77		1490.2							
	OBS	01400	04.28	35.01	27.79		1491.3							
	OBS	01500	04.19	35.00	27.79		1492.6							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04206 AIR TEMP 25.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0057 MONTH 09 SHIP AI WET BULB 21.1 31 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 25 DATA USE 1 BAROMETR 1019.6 SEA 2 WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 057 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	24.08	35.85	24.28		1533.6							
	OBS	00010	24.04	35.84	24.29		1533.6							
	OBS	00020	23.96	35.84	24.31		1533.6							
	OBS	00030	23.95	35.87	24.33		1533.8							
	OBS	00050	21.33	35.79	25.02		1527.4							
	OBS	00060	19.48	36.03	25.70		1522.9							
	OBS	00068	19.63	36.33	25.89		1523.8							
	OBS	00075	18.55	36.27	26.12		1520.8							
	OBS	00100	18.01	36.42	26.37		1519.9							
	OBS	00105	17.76	36.38	26.41		1519.2							
	OBS	00110	17.88	36.45	26.43		1519.7							
	OBS	00125	17.53	36.41	26.48		1518.9							
	OBS	00150	17.38	36.42	26.53		1518.8							
	OBS	00200	17.18	36.44	26.59		1519.1							
	OBS	00230	16.93	36.41	26.63		1518.8							
	OBS	00250	16.99	36.44	26.64		1519.4							
	OBS	00300	16.14	36.22	26.67		1517.3							
	OBS	00400	14.44	35.92	26.82		1513.3							
	OBS	00470	13.41	35.75	26.91		1510.9							
	OBS	00480	13.54	35.80	26.92		1511.5							
	OBS	00500	13.40	35.78	26.93		1511.4							
	OBS	00600	11.93	35.56	27.06		1507.8							
	OBS	00700	09.89	35.30	27.22		1501.9							
	OBS	00742	08.91	35.20	27.31		1498.8							
	OBS	00750	09.05	35.26	27.33		1499.6							
	OBS	00800	07.75	35.14	27.44		1495.3							
	OBS	00830	07.25	35.15	27.52		1493.9							
	OBS	00853	07.67	35.28	27.56		1496.1							
	OBS	00900	06.90	35.14	27.56		1493.7							
	OBS	00910	06.55	35.14	27.61		1492.5							
	OBS	00950	06.30	35.13	27.64		1492.1							
	OBS	00970	05.75	35.08	27.67		1490.2							
	OBS	01000	05.63	35.08	27.68		1490.2							
	OBS	01060	05.50	35.08	27.70		1490.7							
	OBS	01070	05.19	35.04	27.71		1489.5							
	OBS	01100	05.10	35.06	27.73		1489.7							
	OBS	01200	04.75	35.05	27.77		1489.9							
	OBS	01300	04.58	35.04	27.78		1490.9							
	OBS	01400	04.36	35.02	27.78		1491.6							
	OBS	01500	04.05	34.98	27.79		1491.9							

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REFID 31 8186 YEAR 1970 BOTDP 04389 AIR TEMP 26.7 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0058 MONTH 09 SHIP AI WET BULB 22.8 31 1 3 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 25 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 00.7 2 SQUARE 46
LONG 047 55 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E46 058 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	23.83	35.53	24.11		1532.6							
	OBS	00010	23.53	35.46	24.15		1532.0							
	OBS	00020	23.48	35.52	24.21		1532.1							
	OBS	00030	23.34	35.58	24.29		1532.0							
	OBS	00050	21.13	36.23	25.41		1527.4							
	OBS	00075	19.08	36.27	25.99		1522.3							
	OBS	00100	17.88	36.41	26.40		1519.5							
	OBS	00125	18.03	36.53	26.45		1520.5							
	OBS	00150	17.63	36.51	26.54		1519.7							
	OBS	00200	17.23	36.46	26.60		1519.3							
	OBS	00250	16.73	36.36	26.64		1518.5							
	OBS	00300	16.23	36.28	26.70		1517.7							
	OBS	00400	14.24	35.90	26.85		1512.6							
	OBS	00500	13.04	35.69	26.94		1510.1							
	OBS	00600	11.24	35.48	27.12		1505.3							
	OBS	00700	08.99	35.19	27.29		1498.4							
	OBS	00740	08.15	35.17	27.40		1495.9							
	OBS	00760	08.54	35.30	27.45		1497.9							
	OBS	00800	08.22	35.29	27.49		1497.3							
	OBS	00900	06.19	35.10	27.63		1490.8							
	OBS	01000	05.43	35.10	27.72		1489.4							
	OBS	01100	05.00	35.08	27.76		1489.3							
	OBS	01200	04.70	35.09	27.80		1489.8							
	OBS	01300	04.51	35.07	27.81		1490.6							
	OBS	01400	04.27	35.05	27.82		1491.3							
	OBS	01500	04.10	35.03	27.82		1492.2							
	OBS	01750	03.85	35.02	27.84		1495.4							
	OBS	02000	03.67	35.01	27.85		1498.8							
	OBS	02500	03.26	34.99	27.87		1505.6							
	OBS	03000	02.82	34.95	27.88		1512.3							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 04755	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0059	MONTH 09	SHIP AI	WET BULB 19.4	30 1 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 34 54 N	DAY 26	DATA USE 1	BAROMETR 1019.6	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 55 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E46 059	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	24.14	35.74	24.18		1533.6							
	OBS	00010	23.98	35.71	24.20		1533.4							
	OBS	00020	24.00	35.81	24.27		1533.7							
	OBS	00030	24.00	35.81	24.27		1533.8							
	OBS	00050	23.78	35.80	24.33		1533.6							
	OBS	00075	20.32	36.27	25.66		1525.7							
	OBS	00100	18.73	36.31	26.11		1521.8							
	OBS	00125	17.87	36.43	26.42		1519.9							
	OBS	00150	17.68	36.43	26.46		1519.7							
	OBS	00200	17.30	36.44	26.56		1519.5							
	OBS	00250	16.99	36.39	26.60		1519.3							
	OBS	00300	16.51	36.31	26.65		1518.6							
	OBS	00400	15.06	36.04	26.78		1515.4							
	OBS	00500	13.51	35.79	26.92		1511.7							
	OBS	00600	11.97	35.54	27.03		1507.9							
	OBS	00700	09.99	35.30	27.21		1502.2							
	OBS	00792	08.01	35.15	27.41		1496.2							
	OBS	00800	08.25	35.23	27.44		1497.3							
	OBS	00815	08.48	35.29	27.45		1498.5							
	OBS	00900	06.64	35.07	27.54		1492.6							
	OBS	01000	05.77	35.08	27.67		1490.8							
	OBS	01080	05.10	35.02	27.70		1489.3							
	OBS	01100	05.17	35.06	27.72		1490.0							
	OBS	01115	05.24	35.07	27.72		1490.5							
	OBS	01200	04.87	35.05	27.75		1490.4							
	OBS	01300	04.60	35.04	27.77		1490.9							
	OBS	01400	04.49	35.02	27.77		1492.1							
	OBS	01500	04.29	35.01	27.78		1493.0							

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TABLE XXVI.–Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station ECHO, 29 September 1970 - 22 October 1970, prepared from NODC listing No. 31 - 8226.

REFID 31 8226	YEAR 1970	BOTDP 04846	AIR TEMP 25.	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 09	SHIP E1	WET BULB 23.	23 4 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 34 50 N	DAY 29	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 04 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	23.95	35.74	24.24		1533.1							
	OBS	00010	23.82	35.69	24.24		1532.9							
	OBS	00020	23.55	35.69	24.32		1532.4							
	OBS	00030	23.54	35.71	24.33		1532.6							
	OBS	00050	24.07	35.94	24.35		1534.5							
	OBS	00075	20.47											
	OBS	00100	19.07											
	OBS	00125	18.06											
	OBS	00150	17.71											
	OBS	00200	17.60											
	OBS	00250	17.24											
	OBS	00300	16.97											
	OBS	00400	15.56											
	OBS	00500	13.90											
	OBS	00600	12.31											
	OBS	00675	10.46											
	OBS	00700	10.69											
	OBS	00725	09.84											
	OBS	00745	09.97											
	OBS	00800	08.21	35.12	27.36		1497.0							
	OBS	00845	07.71	35.15	27.45		1495.9							
	OBS	00860	08.10	35.27	27.49		1497.8							
	OBS	00900	06.82	35.09	27.54		1493.3							
	OBS	00920	06.61	35.09	27.56		1492.8							
	OBS	00950	07.03	35.23	27.62		1495.1							
	OBS	01000	06.07	35.09	27.64		1492.0							
	OBS	01100	05.33	35.08	27.72		1490.6							
	OBS	01200	04.94	35.07	27.76		1490.7							
	OBS	01300	04.62	35.04	27.77		1491.0							
	OBS	01400	04.49	35.03	27.78		1492.1							
	OBS	01500	04.34	35.02	27.79		1493.2							

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REFID 31 8226	YEAR 1970	BOTDP 04938	AIR TEMP 28.	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 09	SHIP E1	WET BULB 25.	10 0 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 34 52 N	DAY 29	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 07 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 002	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	24.57											
	OBS	00010	24.22											
	OBS	00020	24.22											
	OBS	00030	24.23											
	OBS	00050	23.02											
	OBS	00075	20.27											
	OBS	00100	18.37											
	OBS	00125	18.10											
	OBS	00150	17.72											
	OBS	00200	17.43											
	OBS	00250	17.16											
	OBS	00300	17.06											
	OBS	00400	15.79											
	OBS	00500	13.82											
	OBS	00600	12.27											
	OBS	00700	10.01											
	OBS	00725	10.14											
	OBS	00760	08.76											
	OBS	00800	08.05	35.12	27.38		1496.3							
	OBS	00830	07.76	35.12	27.42		1495.7							
	OBS	00842	07.87	35.18	27.45		1496.4							
	OBS	00885	06.97	35.11	27.53		1493.6							
	OBS	00900	07.63	35.28	27.57		1496.6							
	OBS	01000	05.83	35.07	27.65		1490.9							
	OBS	01040	05.47	35.05	27.68		1490.1							
	OBS	01100	05.29	35.08	27.73		1490.4							
	OBS	01200	04.95	35.07	27.76		1490.7							
	OBS	01300	04.64	35.05	27.78		1491.0							
	OBS	01400	04.49	35.02	27.77		1492.0							
	OBS	01500	04.32	35.01	27.78		1493.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 05029 AIR TEMP 24. DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 09 SHIP E1 WET BULB 23. 13 1 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 30 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 58 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E47 003 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	24.45											
	OBS	00010	24.44											
	OBS	00020	24.25											
	OBS	00030	24.23											
	OBS	00050	22.77											
	OBS	00075	19.95											
	OBS	00100	18.66											
	OBS	00125	18.17											
	OBS	00150	17.82											
	OBS	00200	17.42											
	OBS	00250	17.18											
	OBS	00300	17.10											
	OBS	00340	16.89											
	OBS	00400	16.07											
	OBS	00500	14.17											
	OBS	00600	12.67											
	OBS	00700	09.86											
	OBS	00715	09.72											
	OBS	00722	09.99											
	OBS	00732	09.71											
	OBS	00740	09.81											
	OBS	00800	08.31											
	OBS	00843	07.47	35.11	27.46		1494.8							
	OBS	00850	07.84	35.20	27.47		1496.5							
	OBS	00900	06.74	35.10	27.55		1492.9							
	OBS	00935	07.11	35.23	27.60		1495.1							
	OBS	01000	06.02	35.10	27.65		1491.7							
	OBS	01100	05.19	35.05	27.71		1489.9							
	OBS	01130	05.25	35.06	27.71		1490.7							
	OBS	01200	05.02	35.07	27.75		1490.9							
	OBS	01300	04.72	35.05	27.77		1491.3							
	OBS	01400	04.53	35.03	27.77		1492.2							
	OBS	01500	04.35	35.02	27.79		1493.1							

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REFID 31 8226 YEAR 1970 BOTDP 04938 AIR TEMP 24. DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 09 SHIP E1 WET BULB 23. 10 0 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 30 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 49
LONG 048 10 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	23.39											
	OBS	00010	23.48											
	OBS	00020	23.57											
	OBS	00030	23.45											
	OBS	00050	20.08											
	OBS	00075	18.38											
	OBS	00100	17.88											
	OBS	00125	17.50											
	OBS	00150	17.41											
	OBS	00200	17.10											
	OBS	00250	16.66											
	OBS	00300	15.77											
	OBS	00400	14.18											
	OBS	00500	12.90											
	OBS	00540	12.36											
	OBS	00580	11.12											
	OBS	00592	11.29											
	OBS	00600	11.01											
	OBS	00700	09.06											
	OBS	00730	08.48											
	OBS	00745	08.69											
	OBS	00800	07.35	35.14	27.50		1493.7							
	OBS	00845	06.58	35.10	27.58		1491.3							
	OBS	00900	06.25	35.13	27.64		1491.0							
	OBS	01000	05.37	35.09	27.72		1489.1							
	OBS	01100	04.89	35.08	27.77		1488.8							
	OBS	01200	04.66	35.06	27.78		1489.4							
	OBS	01300	04.38	35.04	27.80		1489.9							
	OBS	01400	04.24	35.02	27.80		1491.0							
	OBS	01500	04.10	35.01	27.81		1492.1							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04938 AIR TEMP 25. DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 09 SHIP E1 WET BULB 23. 07 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 44 N DAY 30 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 00.8 2 SQUARE 46
LONG 047 54 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.56											
	OBS	00010	23.59											
	OBS	00020	23.75											
	OBS	00030	23.70											
	OBS	00050	22.27											
	OBS	00075	18.99											
	OBS	00100	18.24											
	OBS	00125	17.84											
	OBS	00150	17.67											
	OBS	00190	17.20											
	OBS	00200	17.26											
	OBS	00250	16.87											
	OBS	00300	16.50											
	OBS	00400	14.98											
	OBS	00500	13.23											
	OBS	00600	11.79											
	OBS	00675	09.93											
	OBS	00690	10.29											
	OBS	00700	09.64											
	OBS	00789	07.92											
	OBS	00800	08.00											
	OBS	00805	08.37											
	OBS	00830	08.25											
	OBS	00900	06.62	35.16	27.62		1492.5							
	OBS	00920	06.32	35.16	27.66		1491.6							
	OBS	00940	06.35	35.16	27.65		1492.1							
	OBS	01000	05.76	35.12	27.70		1490.7							
	OBS	01020	05.81	35.15	27.72		1491.2							
	OBS	01060	05.38	35.12	27.75		1490.1							
	OBS	01100	05.28	35.11	27.75		1490.4							
	OBS	01200	04.80	35.09	27.79		1490.0							
	OBS	01300	04.64	35.08	27.80		1491.0							
	OBS	01400	04.41	35.05	27.80		1491.7							
	OBS	01500	04.23	35.05	27.82		1492.7							

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REFID 31 8226 YEAR 1970 BOTDP 02926 AIR TEMP 25.6 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 09 SHIP E1 WET BULB 23.3 09 4 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 30 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 05 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	24.09											
	OBS	00010	24.09											
	OBS	00020	24.01											
	OBS	00030	23.89											
	OBS	00035	24.06											
	OBS	00050	22.96											
	OBS	00075	20.25											
	OBS	00100	19.01											
	OBS	00125	18.18											
	OBS	00150	17.96											
	OBS	00200	17.62											
	OBS	00250	17.33											
	OBS	00300	17.16											
	OBS	00370	16.96											
	OBS	00400	16.59											
	OBS	00500	14.14											
	OBS	00532	13.91											
	OBS	00600	12.65											
	OBS	00700	10.39											
	OBS	00755	09.63											
	OBS	00760	09.78											
	OBS	00800	08.36											
	OBS	00900	06.77	35.13	27.57		1493.0							
	OBS	00915	06.83	35.18	27.60		1493.6							
	OBS	01000	05.82	35.14	27.71		1490.9							
	OBS	01080	05.22	35.10	27.75		1489.8							
	OBS	01100	05.21	35.12	27.77		1490.1							
	OBS	01200	04.97	35.11	27.79		1490.8							
	OBS	01300	04.81	35.10	27.80		1491.8							
	OBS	01400	04.47	35.06	27.80		1492.0							
	OBS	01500	04.22	35.04	27.82		1492.6							

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TABLE XXVI.—Continued

REFID 31 8226	YEAR 1970	BOTDP 04389	AIR TEMP 24.	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 10	SHIP E1	WET BULB 22.	10 2 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 35 05 N	DAY 01	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 18 W	HOUR 00.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG E47 007	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.5	OBS	00000	23.23											
	OBS	00010	24.2											
	OBS	00020	24.23											
	OBS	00030	24.14											
	OBS	00050	22.51											
	OBS	00075	20.26											
	OBS	00100	18.96											
	OBS	00125	18.26											
	OBS	00150	18.04											
	OBS	00200	17.69											
	OBS	00250	17.46											
	OBS	00300	17.13											
	OBS	00368	16.99											
	OBS	00400	16.55											
	OBS	00500	14.92											
	OBS	00600	12.75											
	OBS	00700	09.83											
	OBS	00800	08.27	35.10	27.33		1497.1							
	OBS	00855	07.08	35.16	27.55		1493.6							
	OBS	00900	07.03	35.19	27.58		1494.1							
	OBS	01000	06.00	35.17	27.71		1491.7							
	OBS	01100	05.35	35.15	27.77		1490.7							
	OBS	01200	04.84	35.13	27.82		1490.3							
	OBS	01300	04.49	35.09	27.83		1490.5							
	OBS	01400	04.26	35.06	27.83		1491.1							
	OBS	01500	04.22	35.07	27.84		1492.7							

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REFID 31 8226	YEAR 1970	BOTDP 04938	AIR TEMP 24.	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 10	SHIP E1	WET BULB 21.	09 2 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 34 55 N	DAY 01	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 56 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 008	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.2	OBS	00000	23.48											
	OBS	00010	23.50											
	OBS	00020	23.42											
	OBS	00030	23.21											
	OBS	00050	22.41											
	OBS	00075	19.49											
	OBS	00100	18.66											
	OBS	00125	18.17											
	OBS	00150	17.91											
	OBS	00200	17.35											
	OBS	00250	16.94											
	OBS	00300	16.40											
	OBS	00400	14.64											
	OBS	00500	13.50											
	OBS	00600	11.74											
	OBS	00635	10.55											
	OBS	00700	09.35											
	OBS	00800	07.25	35.13	27.51		1493.3							
	OBS	00820	07.53	35.24	27.55		1494.8							
	OBS	00835	06.96	35.16	27.57		1492.8							
	OBS	00850	07.55	35.28	27.58		1495.5							
	OBS	00900	06.25	35.12	27.64		1491.0							
	OBS	01000	05.53	35.12	27.73		1489.7							
	OBS	01100	05.13	35.11	27.77		1489.8							
	OBS	01200	04.66	35.08	27.80		1489.5							
	OBS	01300	04.41	35.06	27.81		1490.1							
	OBS	01400	04.24	35.05	27.82		1491.0							
	OBS	01490	04.17	35.04	27.82		1492.3							

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TABLE XXVI.—Continued

REFID 31 8226	YEAR 1970	BOTDP 04755	AIR TEMP 24.	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 10	SHIP E1	WET BULB 22.	12	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 01	DATA USE 1	BAROMETR 1018.3	SEA 3	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 57.5W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 009	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	23.43											
	OBS	00010	23.42											
	OBS	00020	23.08											
	OBS	00030	23.03											
	OBS	00050	22.07											
	OBS	00075	19.20											
	OBS	00100	18.51											
	OBS	00125	17.91											
	OBS	00150	17.83											
	OBS	00200	17.47											
	OBS	00250	17.22											
	OBS	00300	16.97											
	OBS	00400	16.17											
	OBS	00485	14.48											
	OBS	00492	14.57											
	OBS	00500	14.26											
	OBS	00600	11.99											
	OBS	00700	09.19											
	OBS	00800	07.11	35.11	27.51		1492.7							
	OBS	00855	06.50	35.17	27.64		1491.3							
	OBS	00880	06.57	35.19	27.65		1492.0							
	OBS	00900	06.03	35.13	27.67		1490.1							
	OBS	00930	06.15	35.19	27.70		1491.2							
	OBS	01000	05.85	35.12	27.74		1489.4							
	OBS	01100	05.10	35.12	27.78		1489.7							
	OBS	01200	04.75	35.10	27.80		1489.9							
	OBS	01260	04.44	35.07	27.82		1489.6							
	OBS	01300	04.44	35.07	27.82		1490.2							
	OBS	01400	04.20	35.05	27.83		1490.9							
	OBS	01500	04.08	35.04	27.83		1492.0							

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REFID 31 8226	YEAR 1970	BOTDP 04846	AIR TEMP 25.6	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 10	SHIP E1	WET BULB 22.2	10 2 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 01	DATA USE 1	BAROMETR 1015.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 50 W	HOUR 18.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 010	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.3	OBS	00000	23.67											
	OBS	00010	23.64											
	OBS	00020	23.70											
	OBS	00030	23.30											
	OBS	00050	23.00											
	OBS	00075	19.60											
	OBS	00100	18.70											
	OBS	00125	18.14											
	OBS	00150	17.85											
	OBS	00200	17.47											
	OBS	00250	17.17											
	OBS	00300	17.10											
	OBS	00350	16.82											
	OBS	00400	16.22											
	OBS	00500	14.46											
	OBS	00600	12.31											
	OBS	00700	09.80											
	OBS	00800	07.38											
	OBS	00867	06.61											
	OBS	00880	06.69											
	OBS	00900	06.51											
	OBS	00918	06.71											
	OBS	00945	05.91											
	OBS	01000	05.46											
	OBS	01100	04.88											
	OBS	01200	04.58											
	OBS	01300	04.39											
	OBS	01400	04.26											
	OBS	01490	04.13											

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04846 AIR TEMP 24. DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 10 SHIP E1 WET BULB 22. 10 2 4 WIND-SPD 07 TRACE DIR D 5 SQUARE 2
LAT 34 52 N DAY 02 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 00 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 011 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	24.10	35.96	24.36		1533.8							
	OBS	00010	24.10	35.96	24.36		1533.9							
	OBS	00020	24.10	35.99	24.38		1534.1							
	OBS	00030	24.16	36.16	24.49		1534.6							
	OBS	00050	22.25	36.31	25.16		1530.4							
	OBS	00075	19.57	36.57	26.09		1524.0							
	OBS	00100	18.76	36.57	26.30		1522.2							
	OBS	00125	18.08	36.55	26.46		1520.6							
	OBS	00150	17.89	36.56	26.51		1520.5							
	OBS	00200	17.45	36.52	26.59		1520.0							
	OBS	00250	17.18	36.49	26.63		1520.0							
	OBS	00265	17.08	36.47	26.64		1519.9							
	OBS	00300	17.08	36.48	26.65		1520.5							
	OBS	00340	16.88	36.46	26.68		1520.5							
	OBS	00400	15.75	36.22	26.76		1517.8							
	OBS	00500	14.04	35.92	26.91		1513.6							
	OBS	00600	11.87	35.54	27.05		1507.5							
	OBS	00700	09.67	35.28	27.25		1501.0							
	OBS	00800	07.37	35.09	27.46		1493.8							
	OBS	00885	06.84	35.11	27.55		1493.1							
	OBS	00890	06.96	35.18	27.59		1493.8							
	OBS	00900	06.74	35.13	27.58		1493.0							
	OBS	00910	06.44	35.09	27.59		1492.0							
	OBS	00930	06.86	35.22	27.63		1494.1							
	OBS	00955	06.01	35.11	27.66		1491.0							
	OBS	01000	05.81	35.10	27.68		1491.0							
	OBS	01100	05.15	35.08	27.74		1489.9							
	OBS	01200	04.79	35.07	27.78		1490.1							
	OBS	01300	04.53	35.06	27.80		1490.7							
	OBS	01400	04.37	35.04	27.80		1491.7							
	OBS	01500	04.25	35.03	27.80		1492.8							

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REFID 31 8226 YEAR 1970 BOTDP 04755 AIR TEMP 24. DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 10 SHIP E1 WET BULB 23. 12 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1016.3 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 00 W HOUR 06.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.6	OBS	00000	23.92	35.90	24.37		1533.3							
	OBS	00010	23.91	35.90	24.37		1533.4							
	OBS	00020	23.93	35.94	24.39		1533.7							
	OBS	00030	24.09	36.11	24.47		1534.4							
	OBS	00034	24.18	36.21	24.52		1534.8							
	OBS	00050	23.90	36.30	24.67		1534.5							
	OBS	00075	20.70	36.57	25.79		1527.1							
	OBS	00100	19.50	36.63	26.15		1524.3							
	OBS	00125	18.65	36.58	26.34		1522.3							
	OBS	00150	18.21	36.58	26.45		1521.4							
	OBS	00200	17.80	36.56	26.53		1521.1							
	OBS	00225	17.57	36.51	26.55		1520.7							
	OBS	00250	17.57	36.53	26.57		1521.2							
	OBS	00300	17.29	36.51	26.62		1521.2							
	OBS	00345	17.08	36.48	26.65		1521.2							
	OBS	00400	16.36	36.29	26.67		1519.7							
	OBS	00500	14.88	36.05	26.82		1516.5							
	OBS	00600	12.72	35.69	27.00		1510.6							
	OBS	00700	10.35	35.34	27.18		1503.6							
	OBS	00800	07.89	35.14	27.42		1495.8							
	OBS	00862	06.91	35.10	27.53		1493.0							
	OBS	00900	06.83	35.16	27.59		1493.4							
	OBS	01000	05.82	35.12	27.69		1491.0							
	OBS	01050	05.39	35.09	27.72		1490.1							
	OBS	01070	05.61	35.15	27.74		1491.4							
	OBS	01100	05.47	35.15	27.76		1491.3							
	OBS	01200	04.95	35.08	27.77		1490.8							
	OBS	01300	04.57	35.05	27.79		1490.8							
	OBS	01400	04.53	35.07	27.81		1492.4							
	OBS	01500	04.29	35.05	27.82		1493.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04572 AIR TEMP 24.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 10 SHIP E1 WET BULB 23.3 22 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 02 DATA USE 1 BAROMETR 1016.6 SEA 3 WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 59 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	24.25	36.16	24.46		1534.3							
	OBS	00010	24.23	36.16	24.47		1534.5							
	OBS	00020	24.23	36.17	24.48		1534.6							
	OBS	00030	24.24	36.21	24.51		1534.9							
	OBS	00037	24.30	36.23	24.50		1535.2							
	OBS	00050	24.18	36.24	24.55		1535.1							
	OBS	00075	20.75	36.60	25.80		1527.3							
	OBS	00100	19.05	36.56	26.22		1523.0							
	OBS	00125	18.50	36.54	26.34		1521.8							
	OBS	00150	18.00	36.55	26.48		1520.8							
	OBS	00200	17.62	36.53	26.55		1520.5							
	OBS	00250	17.31	36.50	26.61		1520.4							
	OBS	00300	17.08	36.46	26.63		1520.5							
	OBS	00400	16.17	36.29	26.72		1519.2							
	OBS	00500	14.22	35.90	26.85		1514.2							
	OBS	00505	14.27	35.93	26.87		1514.5							
	OBS	00600	12.16	35.60	27.04		1508.6							
	OBS	00700	09.50	35.27	27.27		1500.4							
	OBS	00740	09.06	35.24	27.32		1499.4							
	OBS	00800	07.10	35.05	27.46		1492.7							
	OBS	00850	06.65	35.07	27.54		1491.8							
	OBS	00870	06.82	35.16	27.59		1492.9							
	OBS	00900	06.42	35.15	27.64		1491.8							
	OBS	01000	05.62	35.10	27.70		1490.2							
	OBS	01030	05.37	35.09	27.72		1489.7							
	OBS	01045	05.47	35.11	27.73		1490.3							
	OBS	01080	05.26	35.11	27.75		1490.1							
	OBS	01100	05.29	35.12	27.76		1490.5							
	OBS	01200	04.91	35.10	27.79		1490.6							
	OBS	01300	04.59	35.07	27.80		1490.9							
	OBS	01400	04.24	35.02	27.80		1491.1							
	OBS	01500	04.12	35.01	27.80		1492.3							

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REFID 31 8226 YEAR 1970 BOTDP 03499 AIR TEMP 25.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 10 SHIP E1 WET BULB 23.9 11 2 3 WIND-SPD 11 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 02 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 00 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	24.32	36.24	24.50		1534.6							
	OBS	00010	24.30	36.24	24.51		1534.7							
	OBS	00020	24.26	36.24	24.52		1534.8							
	OBS	00030	24.23	36.24	24.53		1534.9							
	OBS	00050	22.10	36.44	25.30		1530.2							
	OBS	00075	19.57	36.46	26.01		1523.9							
	OBS	00100	18.60	36.49	26.28		1521.6							
	OBS	00125	18.00	36.52	26.45		1520.4							
	OBS	00150	17.74	36.54	26.53		1520.0							
	OBS	00200	17.48	36.53	26.59		1520.1							
	OBS	00250	17.21	36.50	26.63		1520.1							
	OBS	00300	17.12	36.49	26.65		1520.6							
	OBS	00345	16.87	36.45	26.67		1520.6							
	OBS	00400	16.04	36.27	26.73		1518.7							
	OBS	00500	14.26	35.95	26.88		1514.4							
	OBS	00600	12.14	35.60	27.05		1508.6							
	OBS	00700	09.79	35.32	27.26		1501.5							
	OBS	00718	09.85	35.39	27.30		1502.1							
	OBS	00800	07.39	35.07	27.44		1493.8							
	OBS	00855	06.63	35.08	27.55		1491.8							
	OBS	00900	06.64	35.17	27.62		1492.7							
	OBS	01000	05.74	35.12	27.70		1490.7							
	OBS	01040	05.31	35.09	27.73		1489.6							
	OBS	01072	05.41	35.12	27.74		1490.6							
	OBS	01100	05.34	35.12	27.75		1490.7							
	OBS	01200	04.96	35.11	27.79		1490.9							
	OBS	01300	04.56	35.07 Q	27.800									
	OBS	01400	04.33	35.02	27.79		1491.5							
	OBS	01445	04.15	35.00	27.79		1491.5							
	OBS	01500	04.15	35.00	27.79		1492.4							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04206 AIR TEMP 24. DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0015 MONTH 10 SHIP EI WET BULB 24. 22 2 4 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 03 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 49
LONG 048 04 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	24.54	36.29	24.48		1535.2							
	OBS	00010	23.85	36.31	24.70		1533.7							
	OBS	00020	23.25	36.38	24.93		1532.5							
	OBS	00030	21.35	36.42	25.50		1527.9							
	OBS	00050	19.12	36.53	26.18		1522.3							
	OBS	00075	18.35	36.55	26.39		1520.6							
	OBS	00100	17.95	36.55	26.49		1519.8							
	OBS	00125	17.75	36.55	26.54		1519.7							
	OBS	00150	17.58	36.54	26.57		1519.6							
	OBS	00200	17.32	36.49	26.60		1519.6							
	OBS	00250	17.24	36.49	26.62		1520.2							
	OBS	00300	16.89	36.41	26.64		1519.8							
	OBS	00400	15.64	36.17	26.75		1517.4							
	OBS	00500	13.55	35.77	26.85		1511.9							
	OBS	00600	12.03	35.57	27.04		1508.1							
	OBS	00700	09.44	35.26	27.27		1500.2							
	OBS	00800	07.44	35.08	27.44		1494.0							
	OBS	00852	06.61	35.06	27.54		1491.6							
	OBS	00880	06.66	35.14	27.60		1492.4							
	OBS	00900	06.51	35.14	27.62		1492.1							
	OBS	01000	05.81	35.13	27.70		1491.0							
	OBS	01060	05.26	35.09	27.74		1489.7							
	OBS	01100	05.32	35.11	27.75		1490.7							
	OBS	01200	04.74	35.08	27.79		1489.9							
	OBS	01300	04.62	35.07	27.80		1491.1							
	OBS	01400	04.42	35.06	27.81		1491.9							
	OBS	01500	04.16	35.02	27.81		1492.5							

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REFID 31 8226 YEAR 1970 BOTDP 03109 AIR TEMP 24. DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0016 MONTH 10 SHIP EI WET BULB 23. 21 2 3 WIND-SPD 19 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 03 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 14 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	24.58	36.12	24.34		1535.1							
	OBS	00010	24.26	36.10	24.42		1534.5							
	OBS	00020	24.09	36.16	24.51		1534.3							
	OBS	00030	22.51	36.28	25.06		1530.7							
	OBS	00050	20.51	36.47	25.76		1526.1							
	OBS	00075	19.21	36.52	26.15		1523.0							
	OBS	00100	18.31	36.50	26.36		1520.8							
	OBS	00125	17.85	36.51	26.46		1519.9							
	OBS	00150	17.64	36.51	26.53		1519.7							
	OBS	00200	17.34	36.49	26.59		1519.6							
	OBS	00250	17.16	36.47	26.62		1519.9							
	OBS	00300	17.10	36.47	26.64		1520.5							
	OBS	00350	16.93	36.44	26.65		1520.8							
	OBS	00400	16.51	36.35	26.68		1520.3							
	OBS	00500	15.11	36.07	26.79		1517.3							
	OBS	00600	12.84	35.66	26.95		1511.0							
	OBS	00700	10.50	35.39	27.19		1504.2							
	OBS	00800	08.13	35.17	27.41		1496.8							
	OBS	00870	06.94	35.12	27.54		1493.3							
	OBS	00900	06.93	35.14	27.56		1493.8							
	OBS	00915	06.93	35.18	27.59		1494.1							
	OBS	00980	05.95	35.12	27.67		1491.2							
	OBS	01000	05.97	35.13	27.68		1491.6							
	OBS	01050	05.44	35.09	27.72		1490.3							
	OBS	01080	05.45	35.11	27.73		1490.8							
	OBS	01100	05.27	35.11	27.75		1490.4							
	OBS	01170	04.93	35.07	27.76		1490.2							
	OBS	01200	04.94	35.07	27.76		1490.7							
	OBS	01240	04.87	35.07	27.77		1491.1							
	OBS	01250	04.74	35.07	27.78		1490.7							
	OBS	01300	04.69	35.07	27.79		1491.4							
	OBS	01400	04.48	35.06	27.80		1492.2							
	OBS	01500	04.36	35.05	27.81		1493.3							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04663 AIR TEMP 24. DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 10 SHIP E1 WET BULB 23. 22 2 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 04 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 55 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 017 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	24.30	36.15	24.44		1534.5							
	OBS	00010	24.29	36.15	24.44		1534.6							
	OBS	00020	24.30	36.15	24.44		1534.8							
	OBS	00030	24.26	36.17	24.47		1534.9							
	OBS	00050	24.06	36.24	24.58		1534.8							
	OBS	00075	20.52	36.52	25.80		1526.5							
	OBS	00100	19.01	36.53	26.20		1522.8							
	OBS	00125	17.96	36.51	26.46		1520.2							
	OBS	00150	17.80	36.53	26.51		1520.2							
	OBS	00200	17.51	36.53	26.58		1520.2							
	OBS	00250	17.26	36.48	26.60		1520.2							
	OBS	00300	17.10	36.46	26.63		1520.5							
	OBS	00347	16.93	36.44	26.65		1520.8							
	OBS	00400	16.08	36.26	26.72		1518.9							
	OBS	00500	14.41	35.91	26.82		1514.8							
	OBS	00600	12.01	35.53	27.02		1508.0							
	OBS	00700	09.42	35.29	27.30		1500.1							
	OBS	00800	07.31	35.04	27.43		1493.5							
	OBS	00840	06.65	35.06	27.53		1491.6							
	OBS	00882	06.64	35.12	27.58		1492.3							
	OBS	00900	06.39	35.12	27.62		1491.6							
	OBS	00980	05.58	35.10	27.71		1489.7							
	OBS	01000	05.65	35.11	27.70		1490.3							
	OBS	01017	05.83	35.18	27.74		1491.4							
	OBS	01100	05.14	35.09	27.75		1489.9							
	OBS	01200	04.78	35.08	27.79		1490.1							
	OBS	01300	04.43	35.03	27.79		1490.2							
	OBS	01400	04.21	35.02	27.80		1491.0							
	OBS	01503	04.10	35.02	27.81		1492.3							

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REFID 31 8226 YEAR 1970 BOTDP 04755 AIR TEMP 23. DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 10 SHIP E1 WET BULB 23. 24 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 52 N DAY 04 DATA USE 1 BAROMETR 1019.0 SEA 3 WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 00 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	24.32	36.14	24.43		1534.5							
	OBS	00010	24.32	36.13	24.42		1534.6							
	OBS	00020	24.26	36.14	24.45		1534.7							
	OBS	00030	24.20	36.22	24.52		1534.8							
	OBS	00050	22.16	36.28	25.16		1530.1							
	OBS	00075	19.21	36.46	26.10		1522.9							
	OBS	00100	18.57	36.46	26.26		1521.5							
	OBS	00125	17.93	36.48	26.44		1520.1							
	OBS	00150	17.75	36.48	26.48		1520.0							
	OBS	00200	17.43	36.49	26.57		1519.9							
	OBS	00250	17.22	36.45	26.59		1520.1							
	OBS	00280	17.01	36.41	26.61		1519.9							
	OBS	00290	17.10	36.44	26.61		1520.3							
	OBS	00300	16.88	36.37	26.61		1519.8							
	OBS	00320	17.09	36.46	26.63		1520.8							
	OBS	00400	16.30	36.26	26.66		1519.5							
	OBS	00500	14.96	35.98	26.75		1516.7							
	OBS	00600	12.77	35.65	26.96		1510.8							
	OBS	00700	09.56	35.28	27.26		1500.6							
	OBS	00715	09.67	35.36	27.31		1501.4							
	OBS	00740	08.38	35.12	27.33		1496.7							
	OBS	00800	06.98	35.04	27.47		1492.2							
	OBS	00840	06.68	35.05	27.52		1491.7							
	OBS	00880	06.60	35.11	27.58		1492.1							
	OBS	00900	06.36	35.11	27.61		1491.5							
	OBS	00940	06.02	35.10	27.65		1490.8							
	OBS	00960	06.13	35.13	27.66		1491.6							
	OBS	01000	05.71	35.09	27.68		1490.5							
	OBS	01100	05.02	35.04	27.73		1489.3							
	OBS	01200	04.70	35.04	27.76		1489.7							
	OBS	01300	04.45	35.03	27.78		1490.3							
	OBS	01400	04.25	35.02	27.80		1491.2							
	OBS	01495	04.14	35.01	27.80		1492.3							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 01691 AIR TEMP 24. DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206
CONSEC 0019 MONTH 10 SHIP E1 WET BULB 24. 11 2 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 04 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 048 07 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E47 019 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.10	35.98	24.37		1533.8							
	OBS	00010	24.11	35.98	24.37		1534.0							
	OBS	00020	24.11	36.06	24.43		1534.2							
	OBS	00030	24.26	36.12	24.43		1534.8							
	OBS	00050	23.33	36.23	24.79		1533.0							
	OBS	00075	19.76	36.47	25.96		1524.4							
	OBS	00100	18.87	36.50	26.22		1522.4							
	OBS	00125	18.28	36.50	26.37		1521.1							
	OBS	00150	16.01	36.50	26.44		1520.8							
	OBS	00200	17.60	36.49	26.53		1520.4							
	OBS	00250	17.38	36.47	26.57		1520.5							
	OBS	00300	17.17	36.44	26.60		1520.7							
	OBS	00360	17.03	36.42	26.61		1521.3							
	OBS	00400	16.71	36.33	26.62		1520.9							
	OBS	00470	15.70	36.16	26.73		1518.7							
	OBS	00500	14.88	35.97	26.76		1516.4							
	OBS	00600	12.58	35.62	26.98		1510.1							
	OBS	00700	10.16	35.32	27.19		1502.9							
	OBS	00800	08.36	35.15	27.36		1497.6							
	OBS	00840	07.36	35.08	27.45		1494.4							
	OBS	00900	06.68	35.07	27.54		1492.7							
	OBS	00980	06.04	35.08	27.63		1491.5							
	OBS	01000	05.72	35.04	27.64		1490.5							
	OBS	01040	06.02	35.15	27.69		1492.5							
	OBS	01100	05.57	35.10	27.71		1491.6							
	OBS	01140	05.61	35.11	27.71		1492.5							
	OBS	01200	05.00	35.02	27.71		1490.9							
	OBS	01210	04.84	35.01	27.72		1490.4							
	OBS	01300	04.60	35.01	27.75		1490.9							
	OBS	01320	04.46	34.99	27.75		1490.6							
	OBS	01400	04.45	35.00	27.76		1492.0							
	OBS	01495	04.35	35.00	27.77		1493.1							

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REFID 31 8226 YEAR 1970 BOTDP 03566 AIR TEMP 24. DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0020 MONTH 10 SHIP E1 WET BULB 23. 35 1 3 WIND-SPD 09 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 04 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 02 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 020 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	24.01	35.86	24.31		1533.4							
	OBS	00010	24.02	35.93	24.36		1533.7							
	OBS	00020	24.29	36.17	24.46		1534.8							
	OBS	00030	24.29	36.17	24.46		1534.9							
	OBS	00050	23.01	36.25	24.90		1532.2							
	OBS	00075	19.07	36.52	26.18		1522.6							
	OBS	00100	18.31	36.53	26.38		1520.9							
	OBS	00125	17.99	36.52	26.46		1520.3							
	OBS	00150	17.78	36.52	26.51		1520.1							
	OBS	00200	17.47	36.49	26.56		1520.0							
	OBS	00250	17.24	36.47	26.60		1520.1							
	OBS	00300	17.17	36.46	26.61		1520.7							
	OBS	00350	17.09	36.45	26.62		1521.3							
	OBS	00400	16.76	36.38	26.65		1521.1							
	OBS	00500	15.58	36.14	26.74		1518.8							
	OBS	00600	13.46	35.74	26.89		1513.2							
	OBS	00700	10.96	35.40	27.11		1505.8							
	OBS	00800	08.24	35.14	27.37		1497.2							
	OBS	00875	06.78	35.07	27.52		1492.7							
	OBS	00900	06.56	35.13	27.60		1492.3							
	OBS	00950	06.25	35.12	27.64		1491.9							
	OBS	00955	06.00	35.08	27.64		1490.9							
	OBS	01000	05.81	35.08	27.66		1490.9							
	OBS	01020	05.82	35.10	27.68		1491.3							
	OBS	01040	05.61	35.10	27.70		1490.8							
	OBS	01100	05.54	35.09	27.70		1491.5							
	OBS	01150	05.17	35.07	27.73		1490.8							
	OBS	01200	05.01	35.07	27.75		1491.0							
	OBS	01300	04.87	35.06	27.76		1492.1							
	OBS	01360	04.53	35.03	27.77		1491.7							
	OBS	01400	04.47	35.03	27.78		1492.1							
	OBS	01490	04.33	35.02	27.79		1493.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04574 AIR TEMP 23. DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
CONSEC 0021 MONTH 10 SHIP E1 WET BULB 22. 36 1 3 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 05 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 08 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 021 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	24.29	35.82	24.20		1534.1							
	OBS	00010	24.44	36.05	24.32		1534.8							
	OBS	00020	24.31	36.08	24.39		1534.7							
	OBS	00030	24.33	36.11	24.40		1535.0							
	OBS	00050	22.52	36.34	25.11		1531.1							
	OBS	00075	20.40	36.52	25.83		1526.2							
	OBS	00100	19.02	36.51	26.19		1522.8							
	OBS	00125	18.29	36.51	26.37		1521.2							
	OBS	00150	18.02	36.52	26.45		1520.8							
	OBS	00200	17.59	36.50	26.54		1520.4							
	OBS	00250	17.28	36.46	26.58		1520.2							
	OBS	00265	17.17	36.44	26.60		1520.1							
	OBS	00300	17.16	36.45	26.61		1520.7							
	OBS	00370	16.99	36.42	26.62		1521.3							
	OBS	00400	16.77	36.38	26.65		1521.1							
	OBS	00500	15.37	36.09	26.75		1518.1							
	OBS	00600	13.12	35.69	26.92		1512.0							
	OBS	00700	10.87	35.40	27.13		1505.5							
	OBS	00800	08.02	35.14	27.40		1496.3							
	OBS	00900	06.57	35.10	27.58		1492.3							
	OBS	00980	05.92	35.10	27.66		1491.1							
	OBS	01000	05.89	35.10	27.67		1491.3							
	OBS	01100	05.43	35.09	27.72		1491.1							
	OBS	01120	05.22	35.07	27.73		1490.5							
	OBS	01170	05.22	35.09	27.74		1491.4							
	OBS	01200	04.90	35.05	27.75		1490.5							
	OBS	01300	04.66	35.05	27.78		1491.2							
	OBS	01400	04.42	35.02	27.78		1491.9							
	OBS	01500	04.20	35.00	27.79		1492.6							

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REFID 31 8226 YEAR 1970 BOTDP 04709 AIR TEMP 22. DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0022 MONTH 10 SHIP E1 WET BULB 21. 01 3 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 05 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 06 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 022 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	24.24	35.86	24.24		1534.0							
	OBS	00010	24.35	36.07	24.37		1534.6							
	OBS	00020	24.36	36.08	24.37		1534.9							
	OBS	00030	24.38	36.08	24.37		1535.1							
	OBS	00050	22.76	36.35	25.05		1531.7							
	OBS	00075	19.91	36.53	25.97		1524.9							
	OBS	00100	18.66	36.54	26.30		1521.9							
	OBS	00125	18.18	36.53	26.42		1520.9							
	OBS	00150	17.84	36.52	26.49		1520.3							
	OBS	00200	17.59	36.52	26.55		1520.4							
	OBS	00250	17.37	36.48	26.58		1520.5							
	OBS	00300	17.14	36.45	26.61		1520.6							
	OBS	00360	17.07	36.44	26.62		1521.4							
	OBS	00400	16.88	36.41	26.64		1521.5							
	OBS	00480	16.06	36.22	26.69		1520.1							
	OBS	00500	15.66	36.16	26.73		1519.1							
	OBS	00600	12.92	35.67	26.95		1511.3							
	OBS	00700	10.38	35.35	27.18		1503.7							
	OBS	00780	08.51	35.15	27.33		1497.9							
	OBS	00800	08.41	35.15	27.35		1497.8							
	OBS	00900	06.60	35.05	27.53		1492.4							
	OBS	00920	06.61	35.11	27.58		1492.8							
	OBS	01000	05.99	35.11	27.66		1491.7							
	OBS	01040	05.45	35.04	27.67		1490.1							
	OBS	01050	05.74	35.14	27.72		1491.6							
	OBS	01100	05.27	35.07	27.72		1490.4							
	OBS	01200	04.80	35.04	27.75		1490.1							
	OBS	01230	04.64	35.02	27.75		1489.9							
	OBS	01300	04.55	35.02	27.76		1490.7							
	OBS	01400	04.34	35.01	27.78		1491.5							
	OBS	01495	04.19	34.99	27.78		1492.5							

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TABLE XXVI.—Continued

REFID 31 6226 YEAR 1970 BOTDP 04663 AIR TEMP 23. DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
CONSEC 0023 MONTH 10 SHIP E1 WET BULB 22. 02 WIND-SPD 09 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 05 DATA USE 1 BAROMETR 1017.3 SEA 3 WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 57 W HOUR 12.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 023 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	23.84	35.66	24.21		1532.8							
	OBS	00010	23.81	35.66	24.22		1532.9							
	OBS	00020	23.97	35.80	24.28		1533.6							
	OBS	00030	24.01	36.01	24.42		1534.1							
	OBS	00040	24.09	36.09	24.46		1534.5							
	OBS	00050	22.96	36.08	24.78		1531.9							
	OBS	00075	19.85	36.46	25.93		1524.7							
	OBS	00100	18.71	36.45	26.22		1521.9							
	OBS	00125	18.09	36.43	26.36		1520.5							
	OBS	00150	17.76	36.45	26.46		1520.0							
	OBS	00200	17.41	36.45	26.54		1519.8							
	OBS	00250	17.12	36.42	26.59		1519.7							
	OBS	00300	17.11	36.42	26.59		1520.5							
	OBS	00360	16.93	36.40	26.62		1520.9							
	OBS	00400	16.26	36.23	26.65		1519.4							
	OBS	00500	14.15	35.85	26.83		1513.9							
	OBS	00600	11.46	35.42	27.04		1506.0							
	OBS	00700	09.48	35.24	27.25		1500.3							
	OBS	00800	07.18	34.99	27.41		1492.9							
	OBS	00855	06.57	35.02	27.51		1491.5							
	OBS	00900	06.56	35.09	27.57		1492.3							
	OBS	01000	05.43	35.03	27.67		1489.3							
	OBS	01005	05.39	35.03	27.67		1489.2							
	OBS	01020	05.54	35.09	27.70		1490.2							
	OBS	01100	05.20	35.06	27.72		1490.1							
	OBS	01200	04.83	35.03	27.74		1490.2							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	01400	04.22	34.98	27.77		1491.0							
	OBS	01490	04.15	34.96	27.76		1492.2							

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REFID 31 8226 YEAR 1970 BOTDP 04297 AIR TEMP 24. DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 10 SHIP E1 WET BULB 21. 04 2 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 05 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 56 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 024 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	23.98	35.62	24.14		1533.1							
	OBS	00010	23.69	35.61	24.21		1532.5							
	OBS	00020	23.72	35.66	24.24		1532.8							
	OBS	00030	23.36	36.01	24.61		1532.5							
	OBS	00050	22.41	36.35	25.15		1530.9							
	OBS	00075	20.01	36.51	25.93		1525.2							
	OBS	00100	19.26	36.52	26.13		1523.5							
	OBS	00125	18.48	36.49	26.31		1521.7							
	OBS	00150	17.98	36.44	26.40		1520.6							
	OBS	00200	17.61	36.44	26.49		1520.4							
	OBS	00230	17.06	36.32	26.53		1519.1							
	OBS	00250	16.96	36.32	26.55		1519.1							
	OBS	00300	16.62	36.28	26.60		1518.9							
	OBS	00320	16.57	36.30	26.63		1519.1							
	OBS	00340	16.34	36.23	26.63		1518.6							
	OBS	00350	16.41	36.28	26.65		1519.1							
	OBS	00400	15.91	36.19	26.70		1518.2							
	OBS	00500	14.40	35.89	26.81		1514.8							
	OBS	00600	12.45	35.60	26.99		1509.6							
	OBS	00700	09.74	35.26	27.22		1501.3							
	OBS	00800	07.97	35.13	27.40		1496.1							
	OBS	00880	06.36	35.06	27.57		1491.1							
	OBS	00900	06.46	35.12	27.61		1491.9							
	OBS	01000	05.54	35.07	27.69		1489.8							
	OBS	01025	05.88	35.18	27.73		1491.8							
	OBS	01050	05.45	35.11	27.73		1490.3							
	OBS	01100	05.24	35.08	27.73		1490.3							
	OBS	01170	04.80	35.04	27.75		1489.6							
	OBS	01200	04.90	35.07	27.76		1490.6							
	OBS	01300	04.70	35.07	27.79		1491.4							
	OBS	01350	04.44	35.05	27.80		1491.1							
	OBS	01400	04.42	35.04	27.79		1491.9							
	OBS	01495	04.17	35.02	27.81		1492.4							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04207 AIR TEMP 23. DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 10 SHIP E1 WET BULB 20.0 01 2 4 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 57 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 025 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	23.74	35.49	24.11		1532.4							
	OBS	00010	23.79	35.64	24.21		1532.8							
	OBS	00020	23.95	35.80	24.28		1533.5							
	OBS	00030	24.04	35.87	24.31		1534.0							
	OBS	00050	23.62	36.21	24.6°		1533.7							
	OBS	00075	21.37	36.53	25.57		1528.8							
	OBS	00100	19.50	36.53	26.08		1524.2							
	OBS	00125	18.82	36.51	26.24		1522.7							
	OBS	00150	18.12	36.49	26.40		1521.1							
	OBS	00200	17.53	36.46	26.52		1520.2							
	OBS	00230	17.25	36.42	26.56		1519.8							
	OBS	00250	17.21	36.42	26.57		1520.0							
	OBS	00280	17.05	36.41	26.60		1520.0							
	OBS	00300	17.08	36.42	26.60		1520.4							
	OBS	00320	17.02	36.42	26.62		1520.6							
	OBS	00400	15.90	36.19	26.70		1518.2							
	OBS	00500	14.15	35.86	26.84		1513.9							
	OBS	00600	11.58	35.48	27.06		1506.5							
	OBS	00700	09.45	35.27	27.27		1500.2							
	OBS	00800	07.46	35.13	27.48		1494.2							
	OBS	00880	06.36	35.07	27.58		1491.1							
	OBS	00900	06.57	35.14	27.61		1492.4							
	OBS	00970	05.64	35.09	27.69		1489.8							
	OBS	01000	05.64	35.10	27.70		1490.3							
	OBS	01100	05.13	35.09	27.75		1489.8							
	OBS	01130	04.97	35.07	27.76		1489.7							
	OBS	01200	04.97	35.08	27.76		1490.9							
	OBS	01300	04.65	35.07	27.79		1491.2							
	OBS	01400	04.33	35.04	27.80		1491.5							
	OBS	01495	04.19	35.02	27.80		1492.5							

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REFID 31 8226 YEAR 1970 BOTDP 03566 AIR TEMP 25.6 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0026 MONTH 10 SHIP E1 WET BULB 22.2 36 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1012.5 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 10 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E47 026 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	23.83	35.73	24.26		1532.8							
	OBS	00010	23.94	35.81	24.29		1533.4							
	OBS	00020	24.08	35.91	24.33		1534.0							
	OBS	00030	24.17	36.04	24.40		1534.5							
	OBS	00040	24.27	36.14	24.44		1535.0							
	OBS	00050	22.35	36.23	25.07		1530.6							
	OBS	00075	20.85	36.54	25.72		1527.4							
	OBS	00100	19.55	36.55	26.08		1524.4							
	OBS	00125	18.66	36.48	26.26		1522.2							
	OBS	00150	18.15	36.48	26.38		1521.2							
	OBS	00200	17.67	36.45	26.48		1520.6							
	OBS	00250	17.33	36.43	26.55		1520.4							
	OBS	00280	17.08	36.39	26.58		1520.1							
	OBS	00300	17.08	36.39	26.58		1520.4							
	OBS	00350	16.86	36.38	26.62		1520.5							
	OBS	00400	16.33	36.26	26.66		1519.6							
	OBS	00500	14.41	35.85	26.77		1514.8							
	OBS	00600	12.36	35.60	27.00		1509.3							
	OBS	00700	10.27	35.35	27.20		1503.3							
	OBS	00800	08.12	35.14	27.39		1496.7							
	OBS	00840	06.98	35.07	27.50		1492.9							
	OBS	00900	06.58	35.09	27.57		1492.3							
	OBS	01000	05.80	35.12	27.69		1490.9							
	OBS	01100	05.25	35.08	27.73		1490.3							
	OBS	01200	04.89	35.08	27.77		1490.5							
	OBS	01300	04.79	35.07	27.78		1491.8							
	OBS	01400	04.53	35.06	27.80		1492.4							
	OBS	01495	04.33	35.05	27.81		1493.1							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04755 AIR TEMP 27.2 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0027 MONTH 10 SHIP E1 WET BULB 21.7 01 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1015.6 SEA 3 WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 19.9 AREA 05 CLOUD T/A 1/6 CL/TR WEATHER X1 ORIG E47 027 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.9	OBS	00000	24.18	35.681	24.12		1533.6							
19.9	OBS	00025	23.93	35.926	24.38		1533.7							
19.9	OBS	00050	22.96	36.271	24.93		1532.1							
19.9	OBS	00075	20.89	36.537	25.71		1527.6							
19.9	OBS	00101	19.40	36.541	26.11		1524.0							
19.9	OBS	00151	17.99	36.454	26.40		1520.7							
19.9	OBS	00201	17.48	36.437	26.52		1520.0							
19.9	OBS	00302	17.06	36.393	26.59		1520.4							
19.9	OBS	T00403	16.13	36.212	26.67		1519.0							
19.9	OBS	00504	14.11	35.836	26.83		1513.8							
19.9	OBS	00605	12.20	35.545	26.99		1508.8							
19.9	OBS	T00807	07.71	35.107	27.42		1495.2							
19.9	OBS	T01009	05.67	35.054	27.66		1490.5							
19.9	OBS	T01514	04.10	34.972	27.77		1492.4							

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REFID 31 8226 YEAR 1970 BOTDP 04572 AIR TEMP 23.2 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0028 MONTH 10 SHIP E1 WET BULB 21.1 07 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 07 DATA USE 1 BAROMETR 1016.6 SEA 3 WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E47 028 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	23.93	35.745	24.25		1533.1							
13.1	OBS	00025	24.00	35.904	24.35		1533.9							
13.1	OBS	00051	24.05	36.168	24.53		1534.7							
13.1	OBS	00077	21.12	36.511	25.63		1528.2							
13.1	OBS	00103	19.54	36.524	26.06		1524.3							
13.1	OBS	00153	18.03	36.497	26.43		1520.9							
13.1	OBS	T00204	17.49	36.448	26.52		1520.1							
14.2	OBS	00307	17.03	36.403	26.60		1520.4							
14.2	OBS	T00406	16.15	36.202	26.65		1519.1							
14.2	OBS	00508	13.73	35.779	26.86		1512.6							
14.2	OBS	00609	11.81	35.483	27.02		1507.4							
14.2	OBS	T00811	07.37	35.080	27.45		1493.9							
14.2	OBS	01012	05.79	35.079	27.66		1491.0							
14.2	OBS	T01522	04.16	34.986	27.78		1492.8							

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REFID 31 8226 YEAR 1970 BOTDP 04572 AIR TEMP 21.7 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0029 MONTH 10 SHIP E1 WET BULB 17.2 35 2 4 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 08 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 13.5 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E47 029 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	23.83	35.891	24.39		1533.0							
13.5	OBS	00022	23.89	35.929	24.40		1533.6							
13.5	OBS	00045	23.78	36.107	24.56		1533.9							
13.5	OBS	00067	22.56	36.474	25.20		1531.7							
13.5	OBS	00090	20.13	36.510	25.90		1525.7							
13.5	OBS	00138	18.35	36.530	26.37		1521.6							
13.5	OBS	00179	17.71	36.491	26.50		1520.4							
13.5	OBS	00269	17.17	36.458	26.61		1520.2							
13.5	OBS	T00357	16.91	36.398	26.63		1520.8							

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REFID 31 8226 YEAR 1970 BOTDP 04230 AIR TEMP 22.8 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0030 MONTH 10 SHIP E1 WET BULB 18.3 34 2 4 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 09 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 13.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E47 030 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	23.62	35.728	24.32		1532.3							
13.3	OBS	00027	23.82	35.822	24.34		1533.4							
13.3	OBS	00052	23.72	36.110	24.58		1533.9							
13.3	OBS	00079	20.24	36.533	25.88		1525.9							
13.3	OBS	00104	19.23	36.548	26.16		1523.5							
13.3	OBS	00157	17.97	36.447	26.40		1520.7							
13.3	OBS	T00209	17.50	36.437	26.51		1520.2							
13.3	OBS	00312	16.64	36.304	26.62		1519.2							
13.3	OBS	T00414	15.17	36.034	26.75		1516.0							
13.3	OBS	00517	13.07	35.686	26.93		1510.4							
13.3	OBS	00619	10.65	35.358	27.14		1503.3							
13.3	OBS	T00822	06.72	35.070	27.53		1491.6							
13.3	OBS	T01025	05.29	35.056	27.71		1489.2							
13.3	OBS	T01528	04.16	35.021	27.81		1492.9							

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TABLE XXVI.—Continued

REFID 31 8226	YEAR 1970	BOTDP 04023	AIR TEMP 22.	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1206
CONSEC 0031	MONTH 10	SHIP E1	WET BULB 18.	34 2 5	WIND-SPD 14	TRACE DIR D	5 SQUARE 4
LAT 35 06 N	DAY 09	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 57 W	HOUR 18.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 031	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.4	OBS	00000	23.79	35.80	24.33		1532.8							
	OBS	00010	23.77	35.81	24.34		1533.0							
	OBS	00020	23.67	35.83	24.39		1532.9							
	OBS	00030	23.63	35.87	24.43		1533.0							
	OBS	00035	23.27	35.99	24.63		1532.3							
	OBS	00050	22.05	36.35	25.25		1529.9							
	OBS	00075	19.70	36.54	26.03		1524.3							
	OBS	00100	18.77	36.53	26.27		1522.2							
	OBS	00125	18.15	36.47	26.38		1520.7							
	OBS	00150	17.93	36.52	26.47		1520.6							
	OBS	00200	17.57	36.51	26.55		1520.3							
	OBS	00250	17.28	36.48	26.60		1520.3							
	OBS	00300	16.97	36.42	26.63		1520.1							
	OBS	00340	16.74	36.38	26.65		1520.0							
	OBS	00400	15.59	36.13	26.73		1517.2							
	OBS	00500	13.81	35.81	26.87		1512.8							
	OBS	00600	10.83	35.40	27.14		1503.7							
	OBS	00700	08.29	35.16	27.38		1495.7							
	OBS	00750	07.88	35.16	27.44		1495.0							
	OBS	00800	06.80	35.09	27.54		1491.6							
	OBS	00900	06.05	35.10	27.65		1490.3							
	OBS	00970	05.42	35.08	27.71		1488.9							
	OBS	01000	05.43	35.08	27.71		1489.4							
	OBS	01040	05.12	35.07	27.74		1488.8							
	OBS	01100	05.03	35.07	27.75		1489.4							
	OBS	01130	04.76	35.05	27.76		1488.8							
	OBS	01200	04.71	35.05	27.77		1489.7							
	OBS	01300	04.45	35.03	27.78		1490.3							
	OBS	01400	04.24	35.01	27.79		1491.1							
	OBS	01490	04.10	35.00	27.80		1492.0							

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REFID 31 8226	YEAR 1970	BOTDP 04755	AIR TEMP 21.	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0032	MONTH 10	SHIP E1	WET BULB 18.	34 2 5	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 34 48 N	DAY 10	DATA USE 1	BAROMETR 1015.9	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 047 48 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 032	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	23.66	35.86	24.41		1532.6							
	OBS	00010	23.66	35.86	24.41		1532.7							
	OBS	00020	23.67	35.87	24.42		1532.9							
	OBS	00030	23.89	36.00	24.45		1533.8							
	OBS	00050	22.85	35.78	24.59		1531.3							
	OBS	00075	21.25	36.40	25.51		1528.3							
	OBS	00100	19.10	36.52	26.17		1523.1							
	OBS	00125	18.38	36.51	26.35		1521.4							
	OBS	00150	18.06	36.51	26.43		1520.9							
	OBS	00200	17.67	36.49	26.51		1520.6							
	OBS	00250	17.37	36.47	26.57		1520.5							
	OBS	00300	17.22	36.43	26.58		1520.8							
	OBS	00350	16.94	36.41	26.63		1520.8							
	OBS	00400	16.40	36.25	26.63		1519.8							
	OBS	00428	15.44	36.07	26.72		1517.1							
	OBS	00435	15.50	36.13	26.75		1517.5							
	OBS	00500	14.33	35.89	26.82		1514.5							
	OBS	00600	11.93	35.48	26.99		1507.7							
	OBS	00700	09.39	35.22	27.25		1499.9							
	OBS	00800	07.35	35.08	27.45		1493.7							
	OBS	00865	06.74	35.12	27.57		1492.4							
	OBS	00875	06.39	35.05	27.56		1491.1							
	OBS	00890	06.49	35.11	27.60		1491.8							
	OBS	00900	06.39	35.11	27.61		1491.6							
	OBS	00925	05.94	35.06	27.63		1490.2							
	OBS	00965	05.85	35.08	27.66		1490.5							
	OBS	01000	05.48	35.06	27.69		1489.6							
	OBS	01070	05.28	35.07	27.72		1489.9							
	OBS	01100	05.02	35.05	27.73		1489.3							
	OBS	01200	04.56	35.01	27.75		1489.1							
	OBS	01300	04.27	34.99	27.77		1489.5							
	OBS	01400	04.15	34.98	27.78		1490.7							
	OBS	01490	04.06	34.97	27.78		1491.8							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 02743 AIR TEMP 21. DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206
CONSEC 0033 MONTH 10 SHIP E1 WET BULB 17. 34 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 10 DATA USE 1 BAROMETR 1014.6 SEA 3 WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 05 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 033 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	23.46	35.74	24.38		1532.0							
	OBS	00010	23.45	35.74	24.38		1532.1							
	OBS	00020	23.46	35.74	24.38		1532.3							
	OBS	00030	23.69	35.88	24.42		1533.2							
	OBS	00038	23.73	35.93	24.44		1533.5							
	OBS	00050	23.00	36.23	24.89		1532.2							
	OBS	00075	21.55	36.48	25.49		1529.2							
	OBS	00100	20.00	36.54	25.95		1525.6							
	OBS	00125	18.75	36.49	26.24		1522.5							
	OBS	00150	18.13	36.47	26.38		1521.1							
	OBS	00200	17.53	36.45	26.52		1520.1							
	OBS	00250	17.20	36.43	26.58		1520.0							
	OBS	00300	16.94	36.41	26.63		1520.0							
	OBS	00350	16.46	36.31	26.66		1519.3							
	OBS	00400	15.49	36.11	26.73		1516.8							
	OBS	00500	13.24	35.71	26.91		1510.8							
	OBS	00600	10.92	35.39	27.11		1504.0							
	OBS	00700	08.79	35.18	27.31		1497.7							
	OBS	00800	06.86	35.06	27.51		1491.7							
	OBS	00870	05.79	35.02	27.62		1488.6							
	OBS	00900	05.77	35.05	27.64		1489.1							
	OBS	01000	05.27	35.04	27.70		1488.7							
	OBS	01020	05.09	35.04	27.72		1488.3							
	OBS	01100	04.83	35.03	27.74		1488.5							
	OBS	01200	04.55	35.01	27.76		1489.0							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	01400	04.33	35.00	27.77		1491.5							
	OBS	01500	04.13	34.98	27.78		1492.3							

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REFID 31 8226 YEAR 1970 BOTDP 04389 AIR TEMP 22. DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
CONSEC 0034 MONTH 10 SHIP E1 WET BULB 18. 01 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 10 DATA USE 1 BAROMETR 1015.9 SEA 3 WIND-FOR DURATION 00.9 2 SQUARE 48
LONG 048 00 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 034 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.32	35.78	24.45		1531.7							
	OBS	00010	23.32	35.78	24.45		1531.8							
	OBS	00020	23.32	35.78	24.45		1532.0							
	OBS	00030	23.33	35.81	24.47		1532.2							
	OBS	00050	23.00	36.09	24.78		1532.0							
	OBS	00075	20.18	36.54	25.91		1525.7							
	OBS	00100	18.80	36.50	26.24		1522.2							
	OBS	00125	18.25	36.49	26.37		1521.0							
	OBS	00150	17.88	36.50	26.47		1520.4							
	OBS	00200	17.58	36.50	26.54		1520.3							
	OBS	00250	17.26	36.46	26.59		1520.2							
	OBS	00300	17.10	36.43	26.60		1520.5							
	OBS	00320	17.04	36.43	26.62		1520.6							
	OBS	00400	15.82	36.20	26.73		1518.0							
	OBS	00500	13.49	35.75	26.85		1511.6							
	OBS	00600	11.14	35.44	27.11		1504.9							
	OBS	00700	08.62	35.18	27.34		1497.0							
	OBS	00800	06.88	35.07	27.51		1491.8							
	OBS	00900	05.99	35.05	27.61		1489.9							
	OBS	00960	05.57	35.06	27.68		1489.3							
	OBS	00975	05.86	35.10	27.67		1490.7							
	OBS	01000	05.39	35.03	27.67		1489.2							
	OBS	01020	05.29	35.06	27.71		1489.1							
	OBS	01030	05.42	35.09	27.72		1489.9							
	OBS	01100	04.99	35.04	27.73		1489.2							
	OBS	01130	04.89	35.04	27.74		1489.3							
	OBS	01145	04.97	35.05	27.74		1489.9							
	OBS	01200	04.78	35.05	27.76		1490.0							
	OBS	01275	04.46	35.00	27.76		1489.9							
	OBS	01300	04.52	35.00	27.75		1490.6							
	OBS	01400	04.36	35.01	27.78		1491.6							
	OBS	01500	04.18	34.99	27.78		1492.5							

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TABLE XXVI.—Continued

REFID 31 8226	YEAR 1970	BOTDP 04390	AIR TEMP 21.	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0035	MONTH 10	SHIP E1	WET BULB 17.	10	WIND-SPD 14	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 11	DATA USE 1	BAROMETR 1015.9	SEA 4	WIND-FOR	DURATION 00.8	2 SQUARE 48
LONG 048 00 W	HOUR 06.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 035	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.5	OBS	00000	24.03	36.14	24.52		1533.8							
	OBS	00010	24.03	36.14	24.52		1534.0							
	OBS	00020	24.05	36.14	24.51		1534.2							
	OBS	00030	24.05	36.14	24.51		1534.3							
	OBS	00050	22.40	36.39	25.18		1530.9							
	OBS	00075	19.25	36.52	26.14		1523.1							
	OBS	00100	18.35	36.52	26.37		1521.0							
	OBS	00125	17.97	36.53	26.47		1520.3							
	OBS	00150	17.79	36.53	26.51		1520.2							
	OBS	00200	17.52	36.50	26.56		1520.2							
	OBS	00250	17.20	36.45	26.60		1520.0							
	OBS	00300	17.08	36.44	26.62		1520.4							
	OBS	00350	16.92	36.42	26.64		1520.8							
	OBS	00400	16.29	36.28	26.68		1519.5							
	OBS	00500	13.69	35.80	26.89		1512.4							
	OBS	00600	11.19	35.44	27.10		1505.1							
	OBS	00700	07.94	35.20	27.46		1494.5							
	OBS	00760	07.44	35.10	27.46		1493.4							
	OBS	00800	07.08	35.12	27.52		1492.7							
	OBS	00900	06.43	35.12	27.61		1491.8							
	OBS	00965	05.63	35.08	27.68		1489.6							
	OBS	00970	05.71	35.12	27.71		1490.1							
	OBS	01000	05.31	35.06	27.71		1488.9							
	OBS	01100	04.86	35.03	27.74		1488.7							
	OBS	01200	04.58	35.03	27.77		1489.2							
	OBS	01300	04.45	35.01	27.77		1490.3							
	OBS	01400	04.30	35.01	27.78		1491.3							
	OBS	01500	04.12	35.00	27.79		1492.3							

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REFID 31 8226	YEAR 1970	BOTDP 04206	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0036	MONTH 10	SHIP E1	WET BULB 16.1	36	WIND-SPD 25	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 11	DATA USE 1	BAROMETR 1017.3	SEA 4	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 00 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E47 036	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	23.31	35.94	24.58		1531.8							
	OBS	00010	23.31	35.94	24.58		1532.0							
	OBS	00020	23.32	35.94	24.57		1532.2							
	OBS	00030	23.33	35.94	24.57		1532.4							
	OBS	00050	20.93	36.49	25.67		1527.2							
	OBS	00075	19.60	36.60	26.11		1524.1							
	OBS	00100	18.51	36.51	26.32		1521.4							
	OBS	00125	18.24	36.55	26.42		1521.1							
	OBS	00150	17.82	36.54	26.51		1520.3							
	OBS	00250	17.13	36.45	26.61		1519.8							
	OBS	00275	17.00	36.44	26.64		1519.8							
	OBS	00300	17.04	36.45	26.63		1520.3							
	OBS	00380	15.85	36.24	26.75		1517.8							
	OBS	00400	15.50	36.15	26.76		1516.9							
	OBS	00500	13.19	35.74	26.94		1510.6							
	OBS	00600	11.25	35.48	27.12		1505.3							
	OBS	00700	08.55	35.19	27.36		1496.8							
	OBS	00780	06.89	35.11	27.54		1491.6							
	OBS	00800	06.56	35.11	27.59		1490.6							
	OBS	00830	06.59	35.16	27.62		1491.3							
	OBS	00880	05.86	35.13	27.69		1489.2							
	OBS	00900	05.93	35.16	27.71		1489.9							
	OBS	01000	05.34	35.10	27.74		1489.1							
	OBS	01100	04.90	35.09	27.78		1488.9							
	OBS	01200	04.75	35.09	27.80		1490.0							
	OBS	01300	04.38	35.06	27.81		1490.1							
	OBS	01400	04.18	35.05	27.83		1490.9							
	OBS	01500	04.05	35.02	27.82		1492.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 03658 AIR TEMP 23. DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0037 MONTH 10 SHIP E1 WET BULB 19. 02 WIND-SPD 22 TRACE DIR D 5 SQUARE 4
LAT 35 09 N DAY 12 DATA USE 1 BAROMETR 1018.6 SEA 4 WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 53 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 037 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	23.70	36.09	24.57		1532.9							
	OBS	00010	23.69	36.09	24.58		1533.1							
	OBS	00020	23.68	36.08	24.57		1533.2							
	OBS	00030	23.54	36.04	24.58		1533.0							
	OBS	00050	23.57	36.06	24.59		1533.4							
	OBS	00075		36.09										
	OBS	00100	17.40	35.86	26.10		1517.4							
	OBS	00125		35.96										
	OBS	00200	15.84	36.11	26.66		1514.6							
	OBS	00250	15.45	36.08	26.72		1514.2							
	OBS	00300	14.86	35.99	26.78		1513.1							
	OBS	00400	13.39	35.77	26.93		1509.7							
	OBS	00500	11.76	35.54	27.07		1505.5							
	OBS	00600	09.54	35.29	27.28		1498.9							
	OBS	00680	07.90	35.18	27.45		1494.0							
	OBS	00700	07.83	35.18	27.46		1494.0							
	OBS	00770	06.35	35.09	27.60		1489.3							
	OBS	00800	06.18	35.10	27.63		1489.1							
	OBS	00860	05.74	35.12	27.70		1488.4							
	OBS	00875	05.89	35.18	27.73		1489.3							
	OBS	00890	05.65	35.16	27.74		1488.6							
	OBS	00900	05.75	35.18	27.75		1489.2							
	OBS	00908	06.04	35.23	27.75		1490.5							
	OBS	00950	05.34	35.11	27.74		1488.2							
	OBS	01000	05.12	35.11	27.77		1488.2							
	OBS	01100	04.77	35.10	27.80		1488.4							
	OBS	01200	04.53	35.08	27.81		1489.0							
	OBS	01300	04.37	35.07	27.82		1490.0							
	OBS	01400	04.21	35.06	27.83		1491.0							
	OBS	01508	04.07	35.04	27.83		1492.2							

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REFID 31 8226 YEAR 1970 BOTDP 04937 AIR TEMP 22. DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0038 MONTH 10 SHIP E1 WET BULB 19. 02 4 7 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 00 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 038 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	23.55	36.00	24.54		1532.6							
	OBS	00010	23.59	36.01	24.55		1532.7							
	OBS	00020	23.64	36.03	24.55		1533.1							
	OBS	00030	23.67	36.05	24.55		1533.3							
	OBS	00050	23.86	36.18	24.60		1534.3							
	OBS	00075	20.12	36.40	25.82		1525.3							
	OBS	00100	18.02	36.35	26.32		1519.8							
	OBS	00125	17.47	36.35	26.45		1518.6							
	OBS	00150	17.16											
	OBS	00200	16.42	36.25	26.63		1516.6							
	OBS	00250	15.51	36.10	26.72		1514.4							
	OBS	00300	14.60	35.92	26.79		1512.2							
	OBS	00360	13.50	35.74	26.88		1509.4							
	OBS	00400	13.07	35.68	26.92		1508.5							
	OBS	00500	11.21	35.42	27.08		1503.4							
	OBS	00600	09.06	35.19	27.28		1497.0							
	OBS	00640	08.20	35.11	27.35		1494.3							
	OBS	00700	07.46	35.13	27.48		1492.5							
	OBS	00800	05.92	35.03	27.61		1488.0							
	OBS	00870	05.51	35.06	27.68		1487.5							
	OBS	00885	05.65	35.10	27.70		1488.4							
	OBS	00900	05.58	35.09	27.70		1488.3							
	OBS	01000	05.07	35.05	27.73		1487.9							
	OBS	01080	04.81	35.04	27.75		1488.1							
	OBS	01090	04.61	35.03	27.77		1487.5							
	OBS	01100	04.66	35.03	27.76		1487.8							
	OBS	01200	04.50	35.02	27.77		1488.6							
	OBS	01300	04.34	35.01	27.78		1489.8							
	OBS	01400	04.13	35.00	27.79		1490.6							
	OBS	01500	04.03	34.98	27.79		1491.9							

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TABLE XXVI.—Continued

REFID 31 8226	YEAR 1970	BOTDP 03658	AIR TEMP 22.	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0039	MONTH 10	SHIP E1	WET BULB	02 1 7	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 15	DATA USE 1	BAROMETR 1024.4	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 48
LONG 048 05 W	HOUR 00.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 039	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.9	OBS	00000	23.29	35.72	24.41		1531.5							
	OBS	00010	23.28	35.72	24.42		1531.7							
	OBS	00020	23.29	35.73	24.42		1531.9							
	OBS	00030	23.56	35.98	24.53		1533.0							
	OBS	00050	23.62	36.30	24.76		1533.8							
	OBS	00075	20.37	36.12	25.54		1525.7							
	OBS	00100	17.14	35.95	26.23		1516.7							
	OBS	00125	16.51	36.24	26.40		1515.6							
	OBS	00135	16.59	36.30	26.43		1516.1							
	OBS	00150	16.37	36.23	26.42		1515.6							
	OBS	00175	14.42	35.74	26.69		1509.3							
	OBS	00190	15.11	35.99	26.73		1512.1							
	OBS	00200	15.06	35.98	26.73		1512.1							
	OBS	00250	14.45	35.88	26.79		1510.8							
	OBS	00300	13.95	35.82	26.85		1509.9							
	OBS	00400	12.11	35.50	26.97		1505.0							
	OBS	00500	10.33	35.30	27.15		1500.2							
	OBS	00600	08.60	35.11	27.29		1495.2							
	OBS	00700	07.05	35.06	27.48		1490.8							
	OBS	00750	06.64	35.07	27.54		1490.1							
	OBS	00800	05.83	35.02	27.61		1487.6							
	OBS	00830	05.63	35.01	27.63		1487.3							
	OBS	00900	05.47	35.03	27.66		1487.8							
	OBS	01000	04.96	35.02	27.72		1487.4							
	OBS	01100	04.66	35.01	27.74		1487.3							
	OBS	01115	04.63	35.01	27.75		1487.9							
	OBS	01145	04.67	35.02	27.75		1488.6							
	OBS	01200	04.51	35.01	27.76		1488.9							
	OBS	01300	04.27	34.99	27.77		1489.5							
	OBS	01400	04.18	34.98	27.77		1490.8							
	OBS	01497	04.15	34.96	27.76		1492.3							

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REFID 31 8226	YEAR 1970	BOTDP 04572	AIR TEMP 21.	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
CONSEC 0040	MONTH 10	SHIP E1	WET BULB 19.	20	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 15	DATA USE 1	BAROMETR 1024.0	SEA 3	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 01 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 040	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	23.25	35.74	24.44		1531.4							
	OBS	00010	23.25	35.75	24.45		1531.6							
	OBS	00020	23.25	35.91	24.57		1532.0							
	OBS	00022	23.94	36.34	24.69		1534.2							
	OBS	00030	23.70	36.32	24.75		1533.7							
	OBS	00050	23.59	36.30	24.77		1533.7							
	OBS	00075	18.63	36.29	26.12		1521.1							
	OBS	00100	17.35	36.32	26.46		1517.8							
	OBS	00125	16.94	36.32	26.56		1517.0							
	OBS	00150	16.72	36.32	26.61		1516.8							
	OBS	00200	15.91	36.16	26.68		1514.9							
	OBS	00220	14.53	35.79	26.70		1510.5							
	OBS	00230	14.80	35.93	26.75		1511.7							
	OBS	00240	14.68	35.90	26.75		1511.4							
	OBS	00250	14.76	35.97	26.79		1511.9							
	OBS	00300	14.21	35.87	26.82		1510.2							
	OBS	00400	12.69	35.65	26.98		1507.2							
	OBS	00500	10.70	35.35	27.12		1501.6							
	OBS	00600	08.91	35.17	27.29		1496.4							
	OBS	00700	06.99	35.06	27.49		1490.6							
	OBS	00712	06.89	35.05	27.49		1490.4							
	OBS	00730	06.98	35.10	27.52		1491.1							
	OBS	00800	05.88	35.04	27.62		1487.8							
	OBS	00900	05.30	35.05	27.70		1487.2							
	OBS	01000	04.97	35.04	27.73		1487.5							
	OBS	01100	04.82	35.06	27.76		1488.5							
	OBS	01200	04.55	35.03	27.77		1489.1							
	OBS	01300	04.31	35.01	27.78		1489.7							
	OBS	01400	04.16	35.00	27.79		1490.3							
	OBS	01492	04.10	34.99	27.79		1492.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04023 AIR TEMP 22. DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
CONSEC 0041 MONTH 10 SHIP E1 WET BULB 19. 01 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1024.7 SEA 3 WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 00 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 041 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.65	36.18	24.66		1532.9							
	OBS	00010	23.64	36.18	24.66		1533.1							
	OBS	00020	23.64	36.18	24.66		1533.2							
	OBS	00030	23.64	36.18	24.66		1533.4							
	OBS	00050	23.64	36.18	24.66		1533.7							
	OBS	00075	19.22	36.32	25.99		1522.8							
	OBS	00100	17.02	36.18	26.43		1516.7							
	OBS	00112	16.75	36.20	26.51		1516.1							
	OBS	00119	16.90	36.35	26.59		1516.8							
	OBS	00125	16.81	36.33	26.60		1516.6							
	OBS	00150	16.67	36.33	26.63		1516.6							
	OBS	00200	15.01	36.00	26.76		1511.9							
	OBS	00250	14.41	35.90	26.81		1510.7							
	OBS	00300	13.66	35.80	26.89		1509.0							
	OBS	00400	11.74	35.49	27.04		1503.7							
	OBS	00500	10.34	35.34	27.18		1500.3							
	OBS	00600	08.20	35.13	27.37		1493.7							
	OBS	00700	06.75	35.11	27.56		1489.7							
	OBS	00800	05.71	35.05	27.65		1487.2							
	OBS	00900	05.20	35.06	27.72		1486.8							
	OBS	00950	04.64	35.05	27.75		1486.8							
	OBS	01000	04.92	35.07	27.76		1487.3							
	OBS	01011	05.01	35.08	27.76		1487.9							
	OBS	01100	04.68	35.06	27.78		1488.0							
	OBS	01200	04.51	35.05	27.79		1488.9							
	OBS	01300	04.31	35.04	27.81		1489.8							
	OBS	01400	04.13	35.02	27.81		1490.7							
	OBS	01483	04.08	35.02	27.82		1491.8							

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REFID 31 8226 YEAR 1970 BOTDP 04389 AIR TEMP 28. DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206
CONSEC 0042 MONTH 10 SHIP E1 WET BULB 23. 06 2 6 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 15 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 58 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 042 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	23.63	36.06	24.57		1532.7							
	OBS	00010	23.75	36.12	24.58		1533.3							
	OBS	00020	23.67	36.12	24.61		1533.2							
	OBS	00030	23.80	36.22	24.64		1533.8							
	OBS	00050	23.80	36.25	24.67		1534.2							
	OBS	00075	18.58	35.95	25.87		1520.5							
	OBS	00100	16.71	36.12	26.46		1515.7							
	OBS	00125	16.38	36.23	26.62		1515.2							
	OBS	00150	15.92	36.19	26.70		1514.2							
	OBS	00200	15.20	36.07	26.77		1512.6							
	OBS	00235	14.30	35.85	26.80		1510.0							
	OBS	00250	14.40	35.92	26.83		1510.7							
	OBS	00300	13.97	35.87	26.88		1510.1							
	OBS	00400	12.62	35.64	26.98		1506.9							
	OBS	00500	10.71	35.40	27.16		1501.7							
	OBS	00600	08.73	35.17	27.31		1495.8							
	OBS	00700	06.91	35.08	27.51		1490.3							
	OBS	00800	05.66	35.04	27.65		1486.9							
	OBS	00900	05.22	35.05	27.71		1486.8							
	OBS	01000	04.86	35.05	27.75		1487.0							
	OBS	01100	04.62	35.04	27.77		1487.7							
	OBS	01150	04.56	35.04	27.78		1488.3							
	OBS	01180	04.64	35.06	27.79		1489.1							
	OBS	01200	04.55	35.06	27.80		1489.1							
	OBS	01300	04.24	35.02	27.80		1489.4							
	OBS	01400	04.13	35.02	27.81		1490.7							
	OBS	01495	04.11	35.01	27.80		1492.2							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04572 AIR TEMP 22. DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0043 MONTH 10 SHIP E1 WET BULB 19. 01 1 4 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 16 DATA USE 1 BAROMETR 1025.4 SEA WIND-FDR DURATION 00.4 2 SQUARE 48
LONG 048 09 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 043 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	23.68	36.21	24.67		1533.0							
	OBS	00010	23.70	36.22	24.67		1533.3							
	OBS	00020	23.71	36.24	24.69		1533.5							
	OBS	00030	23.72	36.25	24.69		1533.7							
	OBS	00050	23.72	36.27	24.71		1534.0							
	OBS	00075	18.93	35.96	25.79		1521.5							
	OBS	00092	17.10	36.09	26.34		1516.7							
	OBS	00097	17.36	36.25	26.40		1517.7							
	OBS	00100	17.18	36.22	26.42		1517.2							
	OBS	00125	16.38	36.26	26.65		1515.3							
	OBS	00140	16.00	36.20	26.69		1514.3							
	OBS	00150	16.08	36.24	26.70		1514.7							
	OBS	00190	14.54	35.97	26.76		1510.1							
	OBS	00200	14.84	35.99	26.79		1511.4							
	OBS	00220	14.52	35.92	26.80		1510.6							
	OBS	00235	14.62	35.98	26.83		1511.2							
	OBS	00250	14.42	35.94	26.84		1510.8							
	OBS	00300	13.67	35.81	26.90		1509.0							
	OBS	00400	11.84	35.54	27.06		1504.2							
	OBS	00500	10.28	35.37	27.21		1500.1							
	OBS	00600	08.13	35.15	27.39		1493.5							
	OBS	00623	07.76	35.13	27.43		1492.4							
	OBS	00650	07.68	35.17	27.48		1492.6							
	OBS	00700	06.67	35.10	27.56		1489.4							
	OBS	00800	05.84	35.07	27.65		1487.7							
	OBS	00810	05.62	35.06	27.67		1487.0							
	OBS	00900	05.09	35.06	27.73		1486.3							
	OBS	01000	04.80	35.07	27.78		1486.8							
	OBS	01100	04.57	35.06	27.79		1487.5							
	OBS	01200	04.35	35.04	27.80		1488.2							
	OBS	01300	04.21	35.03	27.81		1489.3							
	OBS	01400	04.06	35.02	27.82		1490.4							
	OBS	01465	04.07	35.02	27.82		1491.5							

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REFID 31 8226 YEAR 1970 BOTDP 03841 AIR TEMP 21. DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0044 MONTH 10 SHIP E1 WET BULB 18. 02 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 16 DATA USE 1 BAROMETR 1025.4 SEA 3 WIND-FDR DURATION 00.5 2 SQUARE 48
LONG 048 01 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 044 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	23.57	36.08	24.61		1532.6							
	OBS	00010	23.58	36.08	24.60		1532.8							
	OBS	00020	23.58	36.08	24.60		1533.0							
	OBS	00030	23.59	36.08	24.60		1533.2							
	OBS	00050	23.51	36.06	24.61		1533.3							
	OBS	00075	18.44	35.99	25.94		1520.2							
	OBS	00100	16.83	36.11	26.42		1516.0							
	OBS	00125	16.38	36.19	26.59		1515.2							
	OBS	00150	15.88	36.11	26.65		1514.0							
	OBS	00165	15.89	36.13	26.66		1514.3							
	OBS	00200	15.19	36.01	26.73		1512.5							
	OBS	00220	14.60	35.87	26.75		1510.8							
	OBS	00225	14.69	35.92	26.77		1511.2							
	OBS	00250	14.52	35.89	26.78		1511.1							
	OBS	00300	13.89	35.79	26.84		1509.7							
	OBS	00400	12.90	35.64	26.93		1507.9							
	OBS	00500	10.65	35.31	27.10		1501.3							
	OBS	00600	08.36	35.11	27.33		1494.3							
	OBS	00700	06.91	35.04	27.48		1490.3							
	OBS	00720	06.91	35.07	27.51		1490.6							
	OBS	00735	06.56	35.05	27.54		1489.5							
	OBS	00800	05.76	35.02	27.62		1487.3							
	OBS	00900	05.30	35.03	27.68		1487.1							
	OBS	00920	05.13	35.02	27.70		1486.8							
	OBS	00950	05.20	35.05	27.71		1487.6							
	OBS	00970	04.93	35.02	27.72		1486.8							
	OBS	00980	05.08	35.08	27.75		1487.6							
	OBS	01000	05.03	35.08	27.76		1487.8							
	OBS	01100	04.71	35.04	27.76		1488.1							
	OBS	01120	04.55	35.02	27.76		1487.7							
	OBS	01200	04.38	35.01	27.77		1488.3							
	OBS	01300	04.36	35.00	27.77		1489.9							
	OBS	01400	04.16	34.99	27.78		1490.7							
	OBS	01500	04.06	34.98	27.79		1492.0							

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TABLE XXVI.—Continued

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TABLE XXVI.—Continued

REFID 31 8226	YEAR 1970	BOTDP 03292	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0047	MONTH 10	SHIP E1	WET BULB 17.6	01	WIND-SPD 16	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 17	DATA USE 1	BAROMETR 1024.7	SEA 3	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 07 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 047	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	23.55	36.12	24.64		1532.6							
	OBS	00010	23.55	36.13	24.65		1532.8							
	OBS	00020	23.56	36.13	24.65		1533.0							
	OBS	00030	23.56	36.13	24.65		1533.1							
	OBS	00050	23.57	36.13	24.64		1533.5							
	OBS	00075	18.54	36.07	25.97		1520.6							
	OBS	00100	16.99	36.17	26.43		1516.6							
	OBS	00125	16.57	36.25	26.59		1515.8							
	OBS	00150	16.21	36.21	26.65		1515.1							
	OBS	00200	14.57	35.84	26.73		1510.3							
	OBS	00225	14.68	35.93	26.78		1511.2							
	OBS	00250	14.34	35.86	26.80		1510.4							
	OBS	00300	13.68	35.77	26.87		1509.0							
	OBS	00400	11.85	35.48	27.01		1504.1							
	OBS	00450	10.97	35.35	27.07		1501.7							
	OBS	00455	11.02	35.42	27.12		1502.0							
	OBS	00500	10.07	35.27	27.17		1499.2							
	OBS	00600	08.45	35.13	27.33		1494.7							
	OBS	00650	07.24	35.06	27.45		1490.8							
	OBS	00680	07.45	35.17	27.51		1492.2							
	OBS	00700	07.02	35.11	27.52		1490.8							
	OBS	00800	05.70	35.04	27.64		1487.1							
	OBS	00860	05.37	35.07	27.71		1486.8							
	OBS	00900	05.37	35.09	27.72		1487.5							
	OBS	00910	05.43	35.14	27.76		1488.0							
	OBS	01000	04.77	35.09	27.79		1486.7							
	OBS	01100	04.42	35.06	27.81		1486.9							
	OBS	01200	04.24	35.02	27.80		1487.8							
	OBS	01300	04.13	35.02	27.81		1489.0							
	OBS	01400	04.05	35.01	27.81		1490.3							
	OBS	01487	03.99	35.00	27.81		1491.5							

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REFID 31 8226	YEAR 1970	BOTDP 03383	AIR TEMP 21.	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0048	MONTH 10	SHIP E1	WET BULB 17.	06	WIND-SPD 21	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 17	DATA USE 1	BAROMETR 1023.0	SEA 3	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 52 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 048	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	23.25	36.00	24.64		1531.7							
	OBS	00010	23.26	36.00	24.64		1531.9							
	OBS	00020	23.39	36.19	24.74		1532.6							
	OBS	00025	23.22	36.16	24.77		1532.3							
	OBS	00030	23.40	36.26	24.79		1532.9							
	OBS	00040	23.41	36.28	24.80		1533.1							
	OBS	00050		35.98										
	OBS	00075	18.39	36.27	26.16		1520.4							
	OBS	00100	17.69	36.34	26.39		1518.8							
	OBS	00125	17.32	36.32	26.47		1518.1							
	OBS	00150	16.93	36.25	26.51		1517.3							
	OBS	00182	15.91	36.07	26.61		1514.5							
	OBS	00200	15.63	35.99	26.61		1513.9							
	OBS	00250	14.83	35.93	26.74		1512.1							
	OBS	00300	14.10	35.83	26.82		1510.4							
	OBS	00400	13.08	35.66	26.91		1508.5							
	OBS	00500	11.55	35.50	27.08		1504.7							
	OBS	00600	09.37	35.24	27.26		1498.2							
	OBS	00700	07.59	35.10	27.43		1493.0							
	OBS	00710	07.71	35.19	27.49		1493.7							
	OBS	00800	06.15	35.07	27.61		1489.0							
	OBS	00870	05.88	35.10	27.67		1489.1							
	OBS	00876	05.68	35.07	27.67		1488.3							
	OBS	00885	05.84	35.13	27.70		1489.2							
	OBS	00900	05.67	35.12	27.71		1488.8							
	OBS	00918	05.58	35.13	27.73		1488.7							
	OBS	00929	05.85	35.20	27.75		1490.1							
	OBS	00983	05.21	35.09	27.74		1488.2							
	OBS	01000	05.18	35.10	27.75		1488.4							
	OBS	01050	05.00	35.09	27.77		1488.5							
	OBS	01080	04.63	35.03	27.76		1487.4							
	OBS	01100	04.58	35.03	27.77		1487.5							
	OBS	01200	04.42	35.02	27.78		1488.5							
	OBS	01300	04.26	35.01	27.79		1489.5							
	OBS	01400	04.09	35.00	27.80		1490.5							
	OBS	01495	04.02	34.99	27.80		1491.7							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 03795 AIR TEMP 22.3 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0049 MONTH 10 SHIP E1 WET BULB 18.3 06 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 17 DATA USE 1 BAROMETR 1022.7 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 56 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 049 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	23.48	36.13	24.67		1532.4							
	OBS	00010	23.47	36.13	24.67		1532.6							
	OBS	00020	23.48	36.13	24.67		1532.8							
	OBS	00030	23.48	36.13	24.67		1532.9							
	OBS	00050	23.53	36.25	24.75		1533.5							
	OBS	00075	18.92	36.21	25.98		1521.8							
	OBS	00100	17.04	36.25	26.46		1516.8							
	OBS	00105	17.12	36.31	26.51		1517.2							
	OBS	00122	16.41	36.17	26.57		1515.2							
	OBS	00125	16.52	36.24	26.60		1515.7							
	OBS	00150	16.10	36.18	26.65		1514.7							
	OBS	00200	15.20	36.04	26.75		1512.6							
	OBS	00250	14.57	35.94	26.81		1511.3							
	OBS	00300	13.82	35.81	26.87		1509.5							
	OBS	00400	11.89	35.52	27.03		1504.3							
	OBS	00460	11.16	35.46	27.12		1502.7							
	OBS	00480	11.16	35.46	27.12		1503.0							
	OBS	00500	10.59	35.38	27.16		1501.2							
	OBS	00600	08.34	35.14	27.35		1494.3							
	OBS	00640	07.50	35.09	27.44		1491.6							
	OBS	00680	07.48	35.16	27.50		1492.3							
	OBS	00700	07.13	35.13	27.52		1491.2							
	OBS	00800	05.83	35.08	27.66		1487.7							
	OBS	00864	05.45	35.07	27.70		1487.2							
	OBS	00890	05.54	35.10	27.71		1488.0							
	OBS	00900	05.43	35.10	27.72		1487.8							
	OBS	00926	05.08	35.06	27.73		1486.7							
	OBS	00970	05.07	35.07	27.74		1487.4							
	OBS	00977	05.16	35.10	27.76		1487.9							
	OBS	01000	05.03	35.08	27.76		1487.8							
	OBS	01035	04.83	35.06	27.76		1487.5							
	OBS	01100	04.72	35.06	27.78		1488.1							
	OBS	01200	04.47	35.04	27.79		1488.7							
	OBS	01300	04.30	35.03	27.80		1489.7							
	OBS	01400	04.06	35.01	27.81		1490.3							
	OBS	01490	03.98	35.00	27.81		1491.5							

REFID 31 8226 YEAR 1970 BOTDP 04389 AIR TEMP 27. DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0050 MONTH 10 SHIP E1 WET BULB 20. 08 2 4 WIND-SPD 19 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 17 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 050 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	23.58	36.14	24.65		1532.7							
	OBS	00010	23.57	36.14	24.65		1532.8							
	OBS	00020	23.57	36.14	24.65		1533.0							
	OBS	00030	23.57	36.14	24.65		1533.2							
	OBS	00050	23.45	36.19	24.72		1533.3							
	OBS	00075	17.89	36.27	26.29		1518.9							
	OBS	00100	17.26	36.38	26.53		1517.6							
	OBS	00120	16.73	36.31	26.60		1516.3							
	OBS	00125	16.86	36.35	26.60		1516.8							
	OBS	00133	16.93	36.37	26.60		1517.2							
	OBS	00150	16.56	36.32	26.65		1516.3							
	OBS	00200	15.61	36.12	26.72		1514.0							
	OBS	00250	14.63	35.96	26.81		1511.5							
	OBS	00300	13.81	35.83	26.89		1509.5							
	OBS	00385	12.97	35.68	26.94		1507.9							
	OBS	00393	13.12	35.79	27.00		1508.7							
	OBS	00400	13.03											
	OBS	00412	12.78	35.69	26.99		1507.7							
	OBS	00433	12.70	35.70	27.01		1507.8							
	OBS	00500	11.83	35.58	27.09		1505.8							
	OBS	00600	09.62	35.24	27.22		1499.2							
	OBS	00650	08.25	35.16	27.38		1494.8							
	OBS	00676	08.14	35.16	27.40		1494.8							
	OBS	00700	07.31	35.08	27.46		1491.9							
	OBS	00800	06.06	35.07	27.62		1488.6							
	OBS	00900	05.35	35.07	27.71		1487.4							
	OBS	00954	05.04	35.07	27.75		1487.0							
	OBS	00970	05.21	35.10	27.75		1488.0							
	OBS	00980	05.03	35.08	27.76		1487.4							
	OBS	01000	04.95	35.08	27.77		1487.4							
	OBS	01100	04.80	35.09	27.79		1488.5							
	OBS	01150	04.45	35.04	27.79		1487.8							
	OBS	01200	04.40	35.03	27.79		1488.4							
	OBS	01220	04.37	35.03	27.79		1488.6							
	OBS	01260	04.47	35.06	27.80		1489.8							
	OBS	01300	04.41	35.05	27.80		1490.2							
	OBS	01400	04.17	35.03	27.81		1490.8							
	OBS	01500	04.12	35.02	27.81		1492.3							

TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 02195 AIR TEMP 22. DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206
CONSEC 0051 MONTH 10 SHIP EL WET BULB 19. 07 2 3 WIND-SPD 18 TRACE DIR 0 5 SQUARE 4
LAT 35 03 N DAY 18 DATA USE 1 BAROMETR 1022.0 SEA WIND-FDP DURATION 00.4 2 SQUARE 48
LONG 048 07 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 051 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	23.29	35.98	24.61		1531.8							
	OBS	00010	23.29	35.98	24.61		1532.0							
	OBS	00020	23.30	35.98	24.61		1532.2							
	OBS	00030	23.30	35.98	24.61		1532.3							
	OBS	00050	23.53	36.14	24.66		1533.4							
	OBS	00075	18.53	36.01	25.93		1520.5							
	OBS	00100	16.60	36.09	26.46		1515.3							
	OBS	00125	16.20	36.13	26.59		1514.5							
	OBS	00150	15.51	36.03	26.67		1512.7							
	OBS	00200	14.54	35.89	26.78		1510.3							
	OBS	00230	13.89	35.77	26.82		1508.5							
	OBS	00233	14.00	35.83	26.85		1509.0							
	OBS	00250	13.52	35.69	26.84		1507.6							
	OBS	00269	13.15	35.62	26.86		1506.5							
	OBS	00285	13.49	35.77	26.91		1508.1							
	OBS	00300	13.22	35.71	26.92		1507.4							
	OBS	00400	11.74	35.48	27.03		1503.7							
	OBS	00500	10.29	35.32	27.17		1500.0							
	OBS	00600	08.38	35.10	27.31		1494.4							
	OBS	00680	06.98	35.05	27.48		1490.2							
	OBS	00700	06.91	35.06	27.50		1490.3							
	OBS	00800	05.73	35.01	27.62		1487.2							
	OBS	00848	05.59	35.03	27.65		1487.4							
	OBS	00900	05.16	35.01	27.69		1486.5							
	OBS	00950	04.97	35.01	27.71		1486.6							
	OBS	01000	05.05	35.05	27.73		1487.8							
	OBS	01020	05.08	35.05	27.73		1488.3							
	OBS	01100	04.88	35.04	27.74		1488.8							
	OBS	01140	04.59	35.00	27.74		1488.2							
	OBS	01155	04.64	35.02	27.75		1488.7							
	OBS	01200	04.50	35.01	27.76		1488.8							
	OBS	01300	04.26	34.99	27.77		1489.5							
	OBS	01400	04.11	34.97	27.77		1490.5							
	OBS	01490	03.98	34.96	27.78		1491.5							

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REFID 31 8226 YEAR 1970 BOTDP 04115 AIR TEMP 22. DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206
CONSEC 0052 MONTH 10 SHIP EL WET BULB 18. 08 3 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4
LAT 35 00 N DAY 18 DATA USE 1 BAROMETR 1020.0 SEA WIND-FDP DURATION 00.4 2 SQUARE 46
LONG 047 51 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 052 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	OBS	00000	23.35	36.01	24.62		1532.0							
	OBS	00010	23.36	36.01	24.61		1532.2							
	OBS	00020	23.36	36.02	24.62		1532.4							
	OBS	00030	23.36	36.02	24.62		1532.5							
	OBS	00040	23.64	36.17	24.65		1533.5							
	OBS	00050	20.68	35.91	25.29		1525.9							
	OBS	00075	17.66	36.17	26.27		1518.1							
	OBS	00090	17.05	36.15	26.40		1516.6							
	OBS	00100	17.09	36.27	26.48		1517.0							
	OBS	00118	17.12	36.33	26.52		1517.4							
	OBS	00125	16.98	36.29	26.53		1517.1							
	OBS	00150	16.58	36.24	26.58		1516.2							
	OBS	00200	15.70	36.09	26.67		1514.2							
	OBS	00250	14.84	35.94	26.75		1512.1							
	OBS	00300	13.94	35.79	26.83		1509.9							
	OBS	00400	12.97	35.65	26.92		1508.1							
	OBS	00500	11.05	35.38	27.08		1502.8							
	OBS	00555	10.52	35.33	27.14		1501.8							
	OBS	00600	09.22	35.16	27.23		1497.6							
	OBS	00670	07.49	35.03	27.39		1492.0							
	OBS	00700	07.32	35.07	27.45		1491.9							
	OBS	00707	07.40	35.12	27.48		1492.4							
	OBS	00800	05.89	35.01	27.60		1487.8							
	OBS	00850	05.65	35.05	27.66		1487.7							
	OBS	00865	05.74	35.09	27.69		1488.4							
	OBS	00885	05.59	35.07	27.66		1488.1							
	OBS	00900	05.67	35.10	27.69		1488.7							
	OBS	00925	05.43	35.06	27.69		1488.1							
	OBS	00945	05.50	35.08	27.70		1488.8							
	OBS	01000	05.11	35.06	27.73		1488.1							
	OBS	01100	04.64	35.02	27.75		1487.7							
	OBS	01200	04.48	35.01	27.76		1488.7							
	OBS	01270	04.43	35.01	27.77		1489.7							
	OBS	01300	04.21	34.98	27.77		1489.3							
	OBS	01400	04.13	34.98	27.78		1490.6							
	OBS	01500	04.02	34.97	27.78		1491.6							

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TABLE XXVI.—Continued

REFID 31 8226	YEAR 1970	BOTDP 02560	AIR TEMP 22.	DIR HGT PER	#IND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0053	MONTH 10	SHIP EI	WET BULB 19.	09	#IND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 18	DATA USE 1	BAROMETR 1021.0	SEA 3	#IND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 07 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 053	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.36	36.02	24.62		1532.0							
	OBS	00010	23.36	36.02	24.62		1532.2							
	OBS	00020	23.36	36.02	24.62		1532.4							
	OBS	00030	23.35	36.02	24.62		1532.5							
	OBS	00050	23.42	36.15	24.70		1533.1							
	OBS	00075	18.62	36.00	25.90		1520.7							
	OBS	00100	16.62	36.11	26.47		1515.4							
	OBS	00125	16.07	36.14	26.63		1514.2							
	OBS	00150	15.70	36.11	26.69		1513.4							
	OBS	00200	15.05	36.01	26.76		1512.1							
	OBS	00250	14.18	35.86	26.83		1509.9							
	OBS	00300	13.62	35.78	26.89		1508.8							
	OBS	00333	12.98	35.64	26.91		1507.1							
	OBS	00400	12.16	35.55	27.00		1505.3							
	OBS	00500	10.61	35.36	27.14		1501.2							
	OBS	00600	08.51	35.15	27.33		1494.9							
	OBS	00693	07.31	35.05	27.43		1491.1							
	OBS	00700	07.01	35.11	27.52		1490.7							
	OBS	00800	05.71	35.04	27.64		1487.1							
	OBS	00900	05.19	35.05	27.71		1486.7							
	OBS	00940	05.12	35.08	27.75		1487.1							
	OBS	00950	05.29	35.12	27.76		1488.0							
	OBS	01000	05.05	35.08	27.75		1487.8							
	OBS	01100	04.69	35.05	27.77		1488.0							
	OBS	01200	04.50	35.04	27.79		1488.9							
	OBS	01300	04.32	35.02	27.79		1489.8							
	OBS	01400	04.07	34.99	27.79		1490.4							
	OBS	01495	04.02	34.98	27.79		1491.7							

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REFID 31 8226	YEAR 1970	BOTDP 03292	AIR TEMP 24.	DIR HGT PER	#IND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0054	MONTH 10	SHIP EI	WET BULB 19.	09 2 4	#IND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 18	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E47 054	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	23.48	36.01	24.58		1532.3							
	OBS	00010	23.34	35.98	24.60		1532.1							
	OBS	00020	23.34	36.01	24.62		1532.3							
	OBS	00030	23.67	36.20	24.67		1533.5							
	OBS	00040	23.77	36.26	24.68		1534.0							
	OBS	00050	22.02	36.05	25.03		1529.5							
	OBS	00075	17.77	36.01	26.12		1518.3							
	OBS	00100	16.77	36.12	26.45		1515.8							
	OBS	00125	16.46	36.20	26.58		1515.4							
	OBS	00150	16.29	36.22	26.64		1515.3							
	OBS	00200	15.40	36.07	26.72		1513.2							
	OBS	00250	14.27	35.81	26.77		1510.1							
	OBS	00272	13.75	35.73	26.82		1508.7							
	OBS	00283	14.02	35.85	26.86		1509.9							
	OBS	00300	13.72	35.78	26.87		1509.1							
	OBS	00400	12.41	35.57	26.97		1506.1							
	OBS	00500	10.81	35.38	27.12		1502.0							
	OBS	00600	08.79	35.14	27.28		1496.0							
	OBS	00660	07.28	35.02	27.42		1491.0							
	OBS	00700	06.96	35.06	27.45		1490.5							
	OBS	00800	05.81	35.02	27.61		1487.5							
	OBS	00900	05.28	35.02	27.68		1487.0							
	OBS	00960	05.06	35.04	27.72		1487.2							
	OBS	01000	04.85	35.02	27.73		1486.9							
	OBS	01030	04.64	35.05	27.74		1487.9							
	OBS	01100	04.60	35.01	27.75		1487.6							
	OBS	01200	04.50	35.00	27.75		1488.8							
	OBS	01300	04.29	34.99	27.77		1489.6							
	OBS	01400	04.01	34.98	27.79		1490.1							
	OBS	01460	03.98	34.97	27.79		1491.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04390 AIR TEMP 22. DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0055 MONTH 10 SHIP E1 WET BULB 18. 07 WIND-SPD 11 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 19 DATA USE 1 BAROMETR 1017.9 SEA 3 WIND-EDR DURATION 00.4 2 SQUARE 46
LONG 047 59 W HOUR 06.5 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E47 055 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.5	OBS	00000	23.40	36.14	24.70		1532.3							
	OBS	00010	23.40	36.14	24.70		1532.4							
	OBS	00020	23.42	36.16	24.71		1532.7							
	OBS	00030	23.40	36.16	24.72		1532.8							
	OBS	00035	23.77	36.35	24.75		1534.0							
	OBS	00050	22.52	36.14	24.96		1530.9							
	OBS	00075	18.42	36.02	25.97		1520.1							
	OBS	00100	16.82	36.12	26.43		1515.0							
	OBS	00125	16.57	36.24	26.59		1513.8							
	OBS	00150	16.30	36.25	26.66		1513.4							
	OBS	00200	15.58	36.12	26.72		1513.9							
	OBS	00250	14.62	35.90	26.77		1511.4							
	OBS	00300	13.92	35.80	26.84		1509.3							
	OBS	00400	12.84	35.64	26.94		1507.7							
	OBS	00420	12.54	35.60	26.97		1507.0							
	OBS	00435	12.64	35.65	26.99		1507.6							
	OBS	00500	11.64	35.52	27.08		1505.1							
	OBS	00600	09.17	35.19	27.26		1497.4							
	OBS	00700	07.05	35.04	27.46		1490.4							
	OBS	00750	06.71	35.08	27.54		1490.4							
	OBS	00800	05.97	35.04	27.61		1488.2							
	OBS	00888	05.47	35.05	27.68		1487.7							
	OBS	00900	05.56	35.09	27.70		1488.3							
	OBS	00910	05.61	35.12	27.72		1488.7							
	OBS	00920	05.45	35.10	27.72		1488.2							
	OBS	01000	05.14	35.08	27.74		1488.2							
	OBS	01100	04.71	35.06	27.78		1488.1							
	OBS	01132	04.47	35.02	27.77		1487.6							
	OBS	01145	04.62	35.07	27.80		1488.5							
	OBS	01190	04.52	35.04	27.78		1488.8							
	OBS	01200	04.58	35.04	27.78		1489.2							
	OBS	01300	04.43	35.03	27.79		1490.2							
	OBS	01400	04.18	34.99	27.78		1490.8							
	OBS	01500	04.01	34.98	27.79		1491.8							

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REFID 31 8226 YEAR 1970 BOTDP 04298 AIR TEMP 22. DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0056 MONTH 10 SHIP E1 WET BULB 19. 10 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1018.6 SEA 3 WIND-EDR DURATION 00.5 2 SQUARE 48
LONG 048 15 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 056 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.35	36.08	24.67		1532.1							
	OBS	00010	23.37	36.09	24.67		1532.3							
	OBS	00020	23.40	36.09	24.66		1532.5							
	OBS	00030	23.44	36.11	24.67		1532.8							
	OBS	00050	23.55	36.23	24.73		1533.6							
	OBS	00055	23.75	36.33	24.74		1534.2							
	OBS	00075	20.88	36.22	25.47		1527.2							
	OBS	00100	17.98	36.11	26.14		1519.4							
	OBS	00125	16.75	36.21	26.52		1516.3							
	OBS	00150	16.19	36.13	26.59		1514.9							
	OBS	00200	15.54	36.07	26.69		1513.7							
	OBS	00250	14.83	35.95	26.76		1512.3							
	OBS	00300	13.75	35.77	26.85		1509.2							
	OBS	00400	12.40	35.56	26.96		1506.1							
	OBS	00460	11.72	35.52	27.06		1504.7							
	OBS	00500	10.67	35.32	27.10		1501.4							
	OBS	00600	08.07	35.11	27.37		1493.2							
	OBS	00680	06.80	35.00	27.47		1489.4							
	OBS	00700	06.76	35.02	27.49		1489.6							
	OBS	00800	05.86	35.00	27.59		1487.7							
	OBS	00900	05.46	35.03	27.67		1487.8							
	OBS	00910	05.55	35.05	27.67		1488.3							
	OBS	01000	04.92	35.01	27.71		1487.2							
	OBS	01070	05.00	35.03	27.72		1488.7							
	OBS	01100	04.89	35.02	27.73		1488.8							
	OBS	01126	04.63	34.98	27.72		1488.1							
	OBS	01152	04.96	35.05	27.74		1490.0							
	OBS	01200	04.65	35.01	27.74		1489.0							
	OBS	01271	04.39	34.97	27.74		1489.5							
	OBS	01300	04.46	34.97	27.73		1490.3							
	OBS	01400	04.23	34.96	27.75		1491.0							
	OBS	01500	04.07	34.95	27.76		1492.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 03759 AIR TEMP 23. DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0057 MONTH 10 SHIP E1 WET BULB 19. 08 2 4 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 14 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 057 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	23.37	36.05	24.64		1532.1							
	OBS	00010	23.33	36.07	24.67		1532.2							
	OBS	00020	23.34	36.08	24.67		1532.4							
	OBS	00030	23.37	36.10	24.68		1532.6							
	OBS	00045	23.82	36.39	24.77		1534.3							
	OBS	00050	21.75	36.18	25.20		1529.0							
	OBS	00075	18.40	36.27	26.16		1520.4							
	OBS	00100	17.65	36.39	26.44		1518.8							
	OBS	00125	16.72	36.20	26.52		1516.2							
	OBS	00150	16.76	36.32	26.60		1516.9							
	OBS	00180	16.60	36.27	26.60		1516.8							
	OBS	00200	16.10	36.20	26.66		1515.6							
	OBS	00250	15.55	36.15	26.75		1514.6							
	OBS	00300	14.90	36.00	26.78		1513.2							
	OBS	00400	13.85	35.81	26.86		1511.2							
	OBS	00500	12.25	35.55	26.99		1507.2							
	OBS	00600	09.44	35.21	27.23		1498.5							
	OBS	00688	07.66	35.08	27.41		1493.0							
	OBS	00690	07.80	35.17	27.46		1493.7							
	OBS	00700	07.71	35.15	27.45		1493.5							
	OBS	00780	06.33	35.07	27.59		1489.3							
	OBS	00800	06.38	35.12	27.62		1489.9							
	OBS	00900	05.37	35.06	27.70		1487.5							
	OBS	00935	05.23	35.07	27.72		1487.5							
	OBS	00945	05.30	35.08	27.72		1487.9							
	OBS	01000	04.89	35.04	27.74		1487.1							
	OBS	01070	04.70	35.04	27.76		1487.5							
	OBS	01100	04.50	35.03	27.78		1487.2							
	OBS	01200	04.25	35.02	27.80		1487.8							
	OBS	01300	04.14	35.01	27.80		1489.0							
	OBS	01400	04.01	35.00	27.81		1490.1							
	OBS	01500	04.00	34.99	27.80		1491.7							

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REFID 31 9226 YEAR 1970 BOTDP 03475 AIR TEMP 22. DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0058 MONTH 10 SHIP E1 WET BULB 18. 08 2 6 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 06 N DAY 20 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 49 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 058 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	23.30	36.09	24.69		1532.0							
	OBS	00010	23.30	36.09	24.69		1532.1							
	OBS	00020	23.31	36.12	24.71		1532.3							
	OBS	00030	23.40	36.15	24.71		1532.8							
	OBS	00050	23.63	36.34	24.78		1533.9							
	OBS	00075	19.73	36.26	25.81		1524.1							
	OBS	00100	17.70	36.39	26.43		1518.9							
	OBS	00125	17.43	36.41	26.51		1518.6							
	OBS	00150	16.53	36.22	26.58		1516.1							
	OBS	00170	16.85	36.36	26.61		1517.5							
	OBS	00200	16.16	36.22	26.67		1515.8							
	OBS	00220	15.71	36.13	26.70		1514.6							
	OBS	00228	15.82	36.20	26.73		1515.2							
	OBS	00250	15.68	36.17	26.74		1515.1							
	OBS	00300	14.94	36.04	26.80		1513.4							
	OBS	00370	14.07	35.87	26.86		1511.5							
	OBS	00400	13.91	35.82	26.86		1511.5							
	OBS	00430	13.69	35.82	26.90		1511.2							
	OBS	00492	11.61	35.39	26.98		1504.7							
	OBS	00500	11.79	35.49	27.03		1505.6							
	OBS	00600	08.88	35.13	27.26		1496.3							
	OBS	00700	07.27	35.07	27.46		1491.7							
	OBS	00768	06.52	35.07	27.56		1489.9							
	OBS	00800	06.53	35.09	27.57		1490.5							
	OBS	00900	05.50	35.04	27.67		1488.0							
	OBS	01000	04.91	35.02	27.72		1487.2							
	OBS	01100	04.75	35.02	27.74		1488.2							
	OBS	01200	04.47	35.01	27.76		1488.7							
	OBS	01300	04.26	34.98	27.76		1489.5							
	OBS	01400	04.15	34.97	27.77		1490.7							
	OBS	01495	04.14	34.97	27.77		1492.2							

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TABLE XXVI.—Continued

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04028 AIR TEMP 21. DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0061 MONTH 10 SHIP E1 WET BULB 20. 11 3 5 WIND-SPD 07 TRACE DIR 0 5 SQUARE 2
LAT 34 58 N DAY 20 DATA USE 1 BAROMETR 1012.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 00 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 061 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	23.18	36.14	24.77		1531.7							
	OBS	00010	23.17	36.14	24.77		1531.9							
	OBS	00020	23.19	36.14	24.76		1532.1							
	OBS	00030	23.23	36.16	24.77		1532.4							
	OBS	00050	23.24	36.17	24.77		1532.7							
	OBS	00055	23.30	36.24	24.81		1533.0							
	OBS	00075	19.49	36.05	25.71		1523.2							
	OBS	00100	17.14	36.09	26.33		1516.9							
	OBS	00125	16.27	36.15	26.59		1514.8							
	OBS	00150	15.89	36.10	26.64		1514.0							
	OBS	00175	15.25	36.01	26.71		1512.3							
	OBS	00185	15.36	36.10	26.76		1512.9							
	OBS	00200	15.27	36.09	26.77		1512.9							
	OBS	00250	14.35	35.91	26.83		1510.5							
	OBS	00300	13.64	35.79	26.89		1508.9							
	OBS	00400	12.19	35.55	27.00		1505.4							
	OBS	00500	10.49	35.36	27.17		1500.8							
	OBS	00510	10.57	35.40	27.18		1501.3							
	OBS	00600	08.79	35.17	27.30		1496.0							
	OBS	00700	07.03	35.08	27.50		1490.8							
	OBS	00720	06.44	35.03	27.54		1488.7							
	OBS	00740	06.49	35.08	27.57		1489.3							
	OBS	00800	05.84	35.06	27.64		1487.7							
	OBS	00900	05.37	35.07	27.71		1487.5							
	OBS	01000	04.85	35.07	27.77		1487.0							
	OBS	01100	04.57	35.05	27.79		1487.5							
	OBS	01125	04.56	35.05	27.79		1487.8							
	OBS	01140	04.67	35.08	27.80		1488.6							
	OBS	01200	04.45	35.06	27.81		1488.7							
	OBS	01300	04.17	35.04	27.82		1489.2							
	OBS	01400	04.14	35.03	27.82		1490.7							
	OBS	01500	04.04	35.03	27.83		1492.0							

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REFID 31 8226 YEAR 1970 BOTDP 03475 AIR TEMP 21. DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0062 MONTH 10 SHIP E1 WET BULB 20. 01 2 5 WIND-SPD 21 TRACE DIR 0 5 SQUARE 4
LAT 35 04 N DAY 21 DATA USE 1 BAROMETR 1013.5 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 048 01 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 062 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	23.11	36.12	24.77		1531.5							
	OBS	00010	23.11	36.13	24.78		1531.7							
	OBS	00020	23.27	36.27	24.84		1532.4							
	OBS	00030	23.31	36.28	24.83		1532.7							
	OBS	00050	23.33	36.29	24.83		1533.1							
	OBS	00075	17.64	36.05	26.18		1517.9							
	OBS	00100	16.96	36.21	26.47		1516.5							
	OBS	00115	16.34	36.13	26.55		1514.8							
	OBS	00125	16.55	36.24	26.59		1515.7							
	OBS	00150	16.04	36.16	26.65		1514.5							
	OBS	00160	15.88	36.16	26.68		1514.2							
	OBS	00165	16.00	36.24	26.72		1514.7							
	OBS	00200	15.49	36.12	26.74		1513.6							
	OBS	00250	14.61	35.93	26.79		1511.4							
	OBS	00300	13.94	35.78	26.82		1509.9							
	OBS	00310	13.39	35.71	26.88		1508.1							
	OBS	00320	13.53	35.77	26.90		1508.8							
	OBS	00400	12.99	35.68	26.94		1508.2							
	OBS	00500	11.41	35.49	27.10		1504.2							
	OBS	00600	09.24	35.20	27.26		1497.7							
	OBS	00700	06.99	35.05	27.48		1490.6							
	OBS	00800	05.89	35.07	27.64		1487.9							
	OBS	00900	05.47	35.11	27.73		1487.9							
	OBS	00965	05.14	35.10	27.76		1487.7							
	OBS	01000	05.20	35.13	27.78		1488.5							
	OBS	01060	04.85	35.10	27.79		1488.1							
	OBS	01100	04.81	35.11	27.81		1488.6							
	OBS	01120	04.52	35.06	27.80		1487.6							
	OBS	01200	04.40	35.06	27.81		1488.5							
	OBS	01300	04.36	35.07	27.82		1490.0							
	OBS	01400	04.19	35.05	27.83		1490.9							
	OBS	01500	04.02	35.05	27.85		1491.9							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04480 AIR TEMP 21. DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206
CONSEC 0063 MONTH 10 SHIP EI WET BULB 19. 01 WIND-SPD 27 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1012.5 SEA 4 WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 00 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 063 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	23.08	36.10	24.76		1531.4							
	OBS	00010	23.07	36.10	24.77		1531.6							
	OBS	00020	23.08	36.10	24.76		1531.8							
	OBS	00030	23.08	36.10	24.76		1531.9							
	OBS	00050	23.35	36.29	24.83		1533.1							
	OBS	00075	19.54	36.17	25.79		1523.5							
	OBS	00100	18.15	36.37	26.30		1520.2							
	OBS	00125	17.48	36.39	26.48		1518.7							
	OBS	00150	16.74	36.25	26.55		1516.7							
	OBS	00200	15.99	36.18	26.67		1515.2							
	OBS	00250	15.49	36.13	26.75		1514.4							
	OBS	00300	14.33	35.86	26.80		1511.2							
	OBS	00400	12.66	35.60	26.94		1507.0							
	OBS	00500	10.81	35.38	27.12		1502.0							
	OBS	00600		35.24										
	OBS	00700	06.86	35.07	27.51		1490.1							
	OBS	00800	05.88	35.08	27.65		1487.9							
	OBS	00819	05.65	35.10	27.70		1487.3							
	OBS	00870	05.59	35.13	27.73		1487.9							
	OBS	00900	05.66	35.16	27.74		1488.8							
	OBS	00923	05.68	35.16	27.74		1489.2							
	OBS	01000	05.06	35.11	27.78		1487.9							
	OBS	01055	04.85	35.10	27.79		1488.0							
	OBS	01100	04.95	35.14	27.81		1489.2							
	OBS	01200	04.58	35.11	27.83		1489.3							
	OBS	01300	04.41	35.10	27.84		1490.2							
	OBS	01400	04.24	35.07	27.84		1491.2							
	OBS	01500	04.05	35.07	27.86		1492.1							

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REFID 31 8226 YEAR 1970 BOTDP 03658 AIR TEMP 20.6 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206
CONSEC 0064 MONTH 10 SHIP EI WET BULB 19.4 34 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 21 DATA USE 1 BAROMETR 1013.4 SEA 4 WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 04 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E47 064 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.02	36.12	24.80		1531.3							
	OBS	00010	23.01	36.11	24.79		1531.4							
	OBS	00020	23.01	36.12	24.80		1531.6							
	OBS	00030	23.01	36.17	24.84		1531.8							
	OBS	00050	20.98	36.05	25.32		1526.8							
	OBS	00075	18.51	36.28	26.14		1520.7							
	OBS	00100	17.27	36.15	26.35		1517.4							
	OBS	00125	16.76	36.24	26.54		1516.4							
	OBS	00150	16.28	36.14	26.58		1515.2							
	OBS	00200	15.71	36.09	26.67		1514.2							
	OBS	00250	14.88	35.97	26.76		1512.3							
	OBS	00300	14.17	35.82	26.80		1510.7							
	OBS	00400	12.41	35.54	26.95		1506.1							
	OBS	00416	12.50	35.59	26.97		1506.7							
	OBS	00500	10.86	35.38	27.12		1502.2							
	OBS	00600	09.23	35.25	27.30		1497.7							
	OBS	00700	06.63	35.05	27.53		1489.2							
	OBS	00715	06.80	35.10	27.55		1490.2							
	OBS	00800	05.94	35.07	27.64		1488.1							
	OBS	00830	05.90	35.12	27.68		1488.5							
	OBS	00900	05.39	35.09	27.72		1487.6							
	OBS	01000	05.07	35.11	27.78		1488.0							
	OBS	01020	04.78	35.07	27.78		1487.1							
	OBS	01070	04.93	35.12	27.80		1488.6							
	OBS	01100	04.75	35.11	27.81		1488.3							
	OBS	01120	04.91	35.13	27.81		1489.3							
	OBS	01130	04.65											
	OBS	01150	04.78	35.12	27.82		1489.3							
	OBS	01200	04.52	35.08	27.81		1489.0							
	OBS	01300	04.35	35.07	27.83		1490.0							
	OBS	01400	04.12	35.05	27.83		1490.7							
	OBS	01420	04.17	35.05	27.83		1491.2							
	OBS	01500	04.00	35.05	27.85		1491.8							

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TABLE XXVII.—Observed and interpolated oceanographic data for stations taken by USCGC OWASCO at Ocean Station ECHO, 22 October 1970 - 14 November 1970, prepared from NODC listing No. 31 - 8223.

REFID	31	8223	YEAR	1970	BOTDP	03600	AIR TEMP	21.	DIR HGT	PER		WIND-DIR	30	INST STD RECORDER			TEN SQ	1206	
CONSEC		0001	MONTH	10	SHIP OW		WET BULB	19.	36	3	4	WIND-SPD	10	TRACE DIR		D	5 SQUARE	4	
LAT	35 01	N	DAY	26	DATA USE	1	BAROMETR	1009.9	SEA			WIND-FOR		DURATION		00.7	2 SQUARE	46	
LONG	047 56	W	HOUR	11.5	AREA	05	CLOUD T/A		CL/TR			WEATHER	X1	ORIG E48 001			1 SQUARE	57	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	22.72											
	OBS	00010	22.73											
	OBS	00020	22.73											
	OBS	00030	22.73											
	OBS	00050	22.70											
	OBS	00075	20.03											
	OBS	00100	19.15											
	OBS	00125	18.36											
	OBS	00150	17.66											
	OBS	00200	17.11											
	OBS	00250	16.80											
	OBS	00300	16.38											
	OBS	00400	14.90											
	OBS	00500	13.14											
	OBS	00600	10.82											
	OBS	00700	08.29											
	OBS	00800	06.64											
	OBS	00900	05.80											
	OBS	01000	05.21											
	OBS	01100	04.85											
	OBS	01200	04.50											
	OBS	01300	04.34											
	OBS	01400	04.22											
	OBS	01500	04.05											
	OBS	01750	03.80											
	OBS	02000	03.62											
	OBS	02500	03.22											
	OBS	03000	02.76											

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REFID	31	8223	YEAR	1970	BOTDP	02350	AIR TEMP	22.	DIR HGT	PER		WIND-DIR	25	INST STD RECORDER			TEN SQ	1206	
CONSEC		0002	MONTH	10	SHIP OW		WET BULB	19.	36	3		WIND-SPD	17	TRACE DIR		D	5 SQUARE	4	
LAT	35 01	N	DAY	26	DATA USE	1	BAROMETR	1009.8	SEA			WIND-FOR		DURATION		00.3	2 SQUARE	46	
LONG	047 57	W	HOUR	23.7	AREA	05	CLOUD T/A		CL/TR			WEATHER	X1	ORIG E48 002			1 SQUARE	57	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	22.51											
	OBS	00010	22.51											
	OBS	00020	22.51											
	OBS	00030	22.51											
	OBS	00050	22.55											
	OBS	00075	21.75											
	OBS	00100	18.85											
	OBS	00125	18.18											
	OBS	00150	17.93											
	OBS	00200	17.40											
	OBS	00250	17.00											
	OBS	00300	16.40											
	OBS	00400	14.60											
	OBS	00500	12.65											
	OBS	00600	10.10											
	OBS	00700	08.00											
	OBS	00800	06.24											
	OBS	00820	06.44											
	OBS	00840	05.99											
	OBS	00880	05.94											
	OBS	00900	05.97											
	OBS	01000	05.17											
	OBS	01100	04.86											
	OBS	01200	04.62											
	OBS	01300	04.41											
	OBS	01400	04.25											
	OBS	01500	04.07											

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTDP 03780	AIR TEMP 21.	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 10	SHIP OW	WET BULB 19.	30 2 3	WIND-SPD 04	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 27	DATA USE 1	BAROMETR 1009.9	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 48
LONG 048 05 W	HOUR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG E48 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	22.92											
	OBS	00010	22.94											
	OBS	00020	22.94											
	OBS	00030	22.90											
	OBS	00050	21.65											
	OBS	00075	20.45											
	OBS	00100	19.18											
	OBS	00125	18.30											
	OBS	00150	17.97											
	OBS	00200	17.67											
	OBS	00250	17.31											
	OBS	00300	17.03											
	OBS	00400	15.77											
	OBS	00500	13.74											
	OBS	00600	11.07											
	OBS	00700	08.29											
	OBS	00800	06.82											
	OBS	00900	05.99											
	OBS	00920	06.19											
	OBS	00940	05.91											
	OBS	01000	05.37											
	OBS	01020	05.55											
	OBS	01100	05.35											
	OBS	01200	04.93											
	OBS	01300	04.39											
	OBS	01400	04.17											
	OBS	01500	04.05											
	OBS	01750	03.80											
	OBS	02000	03.63											
	OBS	02500	03.18											
	OBS	03000	02.75											

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REFID 31 8223	YEAR 1970	BOTDP 03930	AIR TEMP 24.	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 10	SHIP OW	WET BULB 21.		WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 34 37 N	DAY 28	DATA USE 1	BAROMETR 1004.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 57 W	HOUR 13.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E48 004	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	22.36											
	OBS	00010	22.36											
	OBS	00020	22.36											
	OBS	00030	22.37											
	OBS	00050	22.38											
	OBS	00075	20.70											
	OBS	00100	18.70											
	OBS	00125	17.90											
	OBS	00150	17.70											
	OBS	00200	17.35											
	OBS	00250	17.10											
	OBS	00300	17.00											
	OBS	00400	15.40											
	OBS	00500	13.24											
	OBS	00600	10.99											
	OBS	00700	08.74											
	OBS	00800	07.12											
	OBS	00840	06.76											
	OBS	00875	07.02											
	OBS	00895	06.35											
	OBS	00900	06.45											
	OBS	01000	05.49											
	OBS	01100	05.04											
	OBS	01200	04.58											
	OBS	01300	04.32											
	OBS	01400	04.36											
	OBS	01500	04.24											
	OBS	01750	03.81											
	OBS	02000	03.65											
	OBS	02500	03.17											
	OBS	03000	02.73											

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TABLE XXVII.—Continued

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REFID  31  8223     YEAR 1970    BOTDP 03605    AIR TEMP   16.     DIR HGT PER     WIND-DIR 31    INST STD RECORDER      TEN SQ 1206
CONSEC     0005     MONTH  10    SHIP ON        WET BULB   16.      05  3   4      WIND-SPD 08    TRACE DIR         D    5 SQUARE   4
LAT    35 02  N     DAY    29    DATA USE  1    BAROMETR 1010.9     SEA            WIND-FOR       DURATION      00.6    2 SQUARE  46
LONG  047 59  W     HOUR 23.5    AREA     05    CLOUD T/A           CL/TR          WEATHER  X6    ORIG E48 005          1 SQUARE  57

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP     SAL     SIGMA-T   DYNDPTH  SND VEL  OXYG     P34  TOT P   NO2   NO3   SIO3   PH

         23.5   OBS      00000     22.26
                OBS      00010     22.27
                OBS      00020     22.32
                OBS      00030     22.35
                OBS      00050     22.37
                OBS      00075     20.87
                OBS      00100     19.25
                OBS      00125     18.24
                OBS      00150     17.75
                OBS      00200     17.30
                OBS      00250     17.14
                OBS      00300     16.98
                OBS      00400     16.00
                OBS      00500     13.87
                OBS      00600     11.30
                OBS      00700     08.61
                OBS      00800     06.99
                OBS      00900     06.31
                OBS      00920     06.02
                OBS      00935     06.35
                OBS      00960     05.85
                OBS      00980     05.89
                OBS      01000     05.54
                OBS      01100     05.05
                OBS      01200     04.78
                OBS      01300     04.51
                OBS      01400     04.23
                OBS      01500     04.10

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REFID  31  8223     YEAR 1970    BOTDP 03900    AIR TEMP   17.     DIR HGT PER     WIND-DIR 24    INST STD RECORDER      TEN SQ 1206
CONSEC     0006     MONTH  10    SHIP ON        WET BULB   16.      05  2   4      WIND-SPD 12    TRACE DIR         D    5 SQUARE   4
LAT    35 00  N     DAY    30    DATA USE  1    BAROMETR 1007.1     SEA            WIND-FOR       DURATION      00.8    2 SQUARE  46
LONG  047 52  W     HOUR 11.8    AREA     05    CLOUD T/A           CL/TR          WEATHER  X1    ORIG E48 006          1 SQUARE  57

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP     SAL     SIGMA-T   DYNDPTH  SND VEL  OXYG     P34  TOT P   NO2   NO3   SIO3   PH

         11.8   OBS      00000     22.46
                OBS      00010     22.46
                OBS      00020     22.46
                OBS      00030     22.41
                OBS      00050     22.38
                OBS      00075     20.86
                OBS      00100     18.72
                OBS      00125     18.18
                OBS      00150     17.85
                OBS      00200     17.41
                OBS      00250     17.14
                OBS      00300     17.04
                OBS      00400     16.00
                OBS      00500     13.70
                OBS      00600     11.15
                OBS      00700     08.90
                OBS      00800     07.00
                OBS      00900     06.03
                OBS      00920     05.86
                OBS      00940     05.93
                OBS      01000     05.50
                OBS      01100     05.05
                OBS      01200     04.89
                OBS      01300     04.67
                OBS      01400     04.34
                OBS      01500     04.09
                OBS      01750     03.82
                OBS      02000     03.69
                OBS      02500     03.24
                OBS      03000     02.77

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTOP 03900	AIR TEMP 17.	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 10	SHIP ON	WET BULB 17.		WIND-SPD 21	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 30	DATA USE 1	BAROMETR 1007.2	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 55 W	HOUR 23.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG E48 007	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.7	OBS	00000	22.08											
	OBS	00010	22.08											
	OBS	00020	22.08											
	OBS	00030	22.08											
	OBS	00050	20.16											
	OBS	00075	19.31											
	OBS	00100	18.47											
	OBS	00125	18.01											
	OBS	00150	17.85											
	OBS	00200	17.57											
	OBS	00250	17.25											
	OBS	00300	17.06											
	OBS	00400	15.91											
	OBS	00500	13.90											
	OBS	00600	11.68											
	OBS	00700	09.40											
	OBS	00800	07.30											
	OBS	00900	06.34											
	OBS	00940	06.19											
	OBS	00960	06.36											
	OBS	01000	05.89											
	OBS	01100	05.21											
	OBS	01200	04.89											
	OBS	01290	04.63											
	OBS	01300	04.74											
	OBS	01400	04.53											
	OBS	01500	04.31											

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REFID 31 8223	YEAR 1970	BOTOP 03950	AIR TEMP 19.	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 10	SHIP ON	WET BULB 16.	32 1 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 34 48 N	DAY 31	DATA USE 1	BAROMETR 1010.0	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 46
LONG 067 34 W	HOUR 11.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E48 008	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.7	OBS	00000	21.64											
	OBS	00010	21.64											
	OBS	00020	21.67											
	OBS	00030	21.80											
	OBS	00040	21.92											
	OBS	00050	21.62											
	OBS	00075	19.67											
	OBS	00100	18.42											
	OBS	00125	17.77											
	OBS	00150	17.65											
	OBS	00200	17.32											
	OBS	00250	17.04											
	OBS	00300	16.61											
	OBS	00400	15.01											
	OBS	00500	13.12											
	OBS	00600	11.41											
	OBS	00700	08.96											
	OBS	00800	07.55											
	OBS	00860	06.76											
	OBS	00895	07.14											
	OBS	00900	07.00											
	OBS	01000	05.90											
	OBS	01100	05.43											
	OBS	01200	04.79											
	OBS	01300	04.73											
	OBS	01400	04.45											
	OBS	01500	04.25											
	OBS	01750	03.99											
	OBS	02000	03.67											
	OBS	02500	03.23											
	OBS	03000	02.80											

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTDP 04100	AIR TEMP 18.	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 10	SHIP OW	WET BULB 18.	30 3	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 31	DATA USE 1	BAROMETR 1009.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 57 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG E48 009	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	22.27											
	OBS	00010	22.26											
	OBS	00020	22.08											
	OBS	00030	22.16											
	OBS	00050	22.22											
	OBS	00075	19.52											
	OBS	00100	18.52											
	OBS	00125	17.86											
	OBS	00150	17.55											
	OBS	00200	17.15											
	OBS	00250	16.97											
	OBS	00300	16.16											
	OBS	00400	15.00											
	OBS	00500	13.36											
	OBS	00600	11.05											
	OBS	00700	08.58											
	OBS	00800	06.89											
	OBS	00900	06.30											
	OBS	00935	06.32											
	OBS	01000	05.97											
	OBS	01100	05.01											
	OBS	01200	04.53											
	OBS	01300	04.49											
	OBS	01400	04.31											
	OBS	01500	04.16											

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REFID 31 8223	YEAR 1970	BOTDP 04300	AIR TEMP 18.	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 11	SHIP OW	WET BULB 15.	32 2 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 01	DATA USE 1	BAROMETR 1011.5	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 047 00 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X8	ORIG E48 010	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	21.92											
	OBS	00010	22.00											
	OBS	00020	22.12											
	OBS	00030	22.15											
	OBS	00050	22.12											
	OBS	00075	19.52											
	OBS	00100	18.02											
	OBS	00125	17.17											
	OBS	00150	17.37											
	OBS	00200	17.10											
	OBS	00250	16.72											
	OBS	00300	16.24											
	OBS	00400	14.50											
	OBS	00500	13.36											
	OBS	00600	11.11											
	OBS	00700	08.79											
	OBS	00800	06.81											
	OBS	00900	06.25											
	OBS	00950	06.31											
	OBS	01000	05.75											
	OBS	01100	04.95											
	OBS	01200	04.66											
	OBS	01300	04.42											
	OBS	01400	04.34											
	OBS	01500	04.14											
	OBS	01750	03.91											
	OBS	02000	03.63											
	OBS	02500	03.18											
	OBS	03000	02.76											

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTDP 04600	AIR TEMP 18.	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 11	SHIP OW	WET BULB 16.	03 2 3	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 03	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 55 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E49 011	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.79											
	OBS	00010	20.79											
	OBS	00020	20.80											
	OBS	00030	20.80											
	OBS	00050	20.80											
	OBS	00075	18.52											
	OBS	00100	17.82											
	OBS	00125	17.15											
	OBS	00150	17.06											
	OBS	00200	16.99											
	OBS	00259	16.70											
	OBS	00300	16.31											
	OBS	00400	14.75											
	OBS	00500	13.10											
	OBS	00600	11.26											
	OBS	00700	08.74											
	OBS	00800	07.36											
	OBS	00875	06.63											
	OBS	00895	06.90											
	OBS	00900	06.41											
	OBS	01000	05.90											
	OBS	01100	05.31											
	OBS	01200	04.91											
	OBS	01300	04.40											
	OBS	01400	04.40											
	OBS	01500	04.21											
	OBS	01750	03.92											
	OBS	02000	03.65											
	OBS	02500	03.21											
	OBS	03000	02.74											

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REFID 31 8223	YEAR 1970	BOTDP 04920	AIR TEMP 18.	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
CONSEC 0012	MONTH 11	SHIP OW	WET BULB 14.	03 1 4	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 03	DATA USE 1	BAROMETR 1020.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 48 W	HOUR 23.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E49 012	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.4	OBS	00000	21.27											
	OBS	00010	21.29											
	OBS	00020	21.29											
	OBS	00030	21.29											
	OBS	00050	21.17											
	OBS	00075	19.57											
	OBS	00100	18.52											
	OBS	00125	18.19											
	OBS	00150	17.69											
	OBS	00200	17.35											
	OBS	00250	17.08											
	OBS	00300	16.82											
	OBS	00400	15.26											
	OBS	00500	13.31											
	OBS	00600	11.37											
	OBS	00700	09.39											
	OBS	00800	07.60											
	OBS	00900	06.55											
	OBS	00925	06.35											
	OBS	00950	06.50											
	OBS	01000	05.55											
	OBS	01100	05.16											
	OBS	01200	04.83											
	OBS	01300	04.59											
	OBS	01400	04.38											
	OBS	01500	04.24											

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTDP 04840 AIR TEMP 19. DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 11 SHIP OW WET BULB 17. 02 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 04 DATA USE 1 BAROMETR 1020.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E48 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	20.80	36.33	25.58		1525.8							
	OBS	00010	20.80	36.34	25.59		1526.0							
	OBS	00020	20.80	36.34	25.59		1526.2							
	OBS	00030	20.81	36.34	25.58		1526.4							
	OBS	00050	20.79	36.35	25.60		1526.7							
	OBS	00075	18.75	36.50	26.25		1521.7							
	OBS	00100	18.24	36.50	26.38		1520.6							
	OBS	00125	17.71	36.50	26.51		1519.5							
	OBS	00150	17.55	36.47	26.53		1519.4							
	OBS	00200	17.23	36.44	26.58		1519.2							
	OBS	00250	16.93	36.41	26.63		1519.1							
	OBS	00300	16.47	36.31	26.66		1518.5							
	OBS	00400	14.90	36.00	26.78		1514.9							
	OBS	00500	13.38	35.80	26.95		1511.3							
	OBS	00600	11.71	35.55	27.09		1507.0							
	OBS	00700	09.66	35.33	27.29		1501.1							
	OBS	00800	07.92	35.18	27.45		1496.0							
	OBS	00900	06.52	35.16	27.63		1492.2							
	OBS	00955	05.86	35.14	27.70		1490.5							
	OBS	00975	05.98	35.20	27.73		1491.4							
	OBS	01000	05.64	35.14	27.73		1490.3							
	OBS	01100	05.05	35.11	27.78		1489.6							
	OBS	01200	04.87	35.13	27.81		1490.5							
	OBS	01300	04.61	35.13	27.84		1491.1							
	OBS	01400	04.45	35.13	27.86		1492.1							
	OBS	01500	04.31	35.12	27.87		1493.2							

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REFID 31 8223 YEAR 1970 BOTDP 04870 AIR TEMP 22. DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 11 SHIP OW WET BULB 19. 30 1 4 WIND-SPD 09 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 05 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 05 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E48 014 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	20.86	36.38	25.60		1526.1							
	OBS	00010	20.85	36.38	25.60		1526.2							
	OBS	00020	20.85	36.38	25.60		1526.4							
	OBS	00030	20.84	36.39	25.61		1526.5							
	OBS	00050	20.76	36.37	25.62		1526.6							
	OBS	00075	18.38	36.37	26.24		1520.5							
	OBS	00100	17.61	36.44	26.49		1518.7							
	OBS	00125	17.29	36.43	26.56		1518.2							
	OBS	00150	17.15	36.42	26.58		1518.2							
	OBS	00200	16.99	36.41	26.62		1518.5							
	OBS	00250	16.62	36.34	26.65		1518.1							
	OBS	00300	16.10	36.23	26.69		1517.2							
	OBS	00400	14.80	36.00	26.80		1514.5							
	OBS	00500	13.27	35.78	26.96		1510.9							
	OBS	00600	11.26	35.47	27.11		1505.3							
	OBS	00700	09.31	35.31	27.33		1499.8							
	OBS	00800	08.00	35.32	27.54		1496.5							
	OBS	00900	06.55	35.18	27.64		1492.3							
	OBS	01000	05.90	35.19	27.74		1491.4							
	OBS	01080	05.11	35.12	27.78		1489.5							
	OBS	01100	05.19	35.14	27.78		1490.2							
	OBS	01200	04.91	35.14	27.82		1490.7							
	OBS	01300	04.48	35.10	27.84		1490.5							
	OBS	01400	04.15	35.08	27.86		1490.8							
	OBS	01500	04.04	35.09	27.87		1492.1							
	OBS	01750	03.87	35.11	27.91		1495.6							
	OBS	02000	03.72	35.11	27.92		1499.2							
	OBS	02500	03.21	35.10	27.97		1505.6							
	OBS	03000	02.72	35.09	28.00		1512.1							

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTDP 04200	AIR TEMP 20.	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 11	SHIP OW	WET BULB 29 2 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 05	DATA USE 1	BAROMETR 1024.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 59 W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E49 015	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	20.93											
	OBS	00010	20.94											
	OBS	00020	20.94											
	OBS	00030	20.95											
	OBS	00050	18.68											
	OBS	00075	17.58											
	OBS	00100	17.36											
	OBS	00125	17.23											
	OBS	00150	17.07											
	OBS	00200	16.85											
	OBS	00250	16.56											
	OBS	00300	16.12											
	OBS	00400	14.95											
	OBS	00500	13.86											
	OBS	00600	12.26											
	OBS	00700	10.35											
	OBS	00800	07.94											
	OBS	00900	06.35											
	OBS	00920	06.70											
	OBS	00930	06.84											
	OBS	01000	05.68											
	OBS	01040	05.49											
	OBS	01050	05.61											
	OBS	01100	05.36											
	OBS	01160	04.85											
	OBS	01180	04.91											
	OBS	01200	04.88											
	OBS	01300	04.63											
	OBS	01400	04.35											
	OBS	01500	04.16											

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REFID 31 8223	YEAR 1970	BOTDP 03100	AIR TEMP 22.	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 11	SHIP OW	WET BULB 19.	28 2 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 34 56 N	DAY 06	DATA USE 1	BAROMETR 1025.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 02 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E48 016	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	21.05											
	OBS	00010	21.05											
	OBS	00020	21.06											
	OBS	00030	21.03											
	OBS	00050	18.63											
	OBS	00075	17.88											
	OBS	00100	17.48											
	OBS	00125	17.23											
	OBS	00150	17.12											
	OBS	00200	17.00											
	OBS	00250	16.55											
	OBS	00300	16.06											
	OBS	00400	14.76											
	OBS	00500	13.46											
	OBS	00600	11.57											
	OBS	00700	09.91											
	OBS	00800	07.66											
	OBS	00900	06.69											
	OBS	00910	06.52											
	OBS	00920	06.79											
	OBS	01000	06.04											
	OBS	01100	05.49											
	OBS	01200	04.97											
	OBS	01300	04.60											
	OBS	01380	04.39											
	OBS	01400	04.51											
	OBS	01500	04.31											
	OBS	01750	03.91											
	OBS	02000	03.72											
	OBS	02500	02.31											
	OBS	02700	02.15											

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTDP 04400 AIR TEMP 25. DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 11 SHIP OW WET BULB 22. 23 2 4 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2
LAT 34 58 N DAY 07 DATA USE 1 BAROMETR 1023.2 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E48 017 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	20.87	36.50	25.69		1526.2							
	OBS	00010	20.87	36.50	25.69		1526.4							
	OBS	00020	20.87	36.50	25.69		1526.6							
	OBS	00030	20.87	36.51	25.70		1526.7							
	OBS	00050	18.04	36.48	26.41		1519.2							
	OBS	00075	17.62	36.45	26.49		1518.4							
	OBS	00100	17.32	36.44	26.56		1517.9							
	OBS	00125	17.20	36.43	26.58		1517.9							
	OBS	00150	17.11	36.43	26.60		1518.1							
	OBS	00200	17.01	36.42	26.62		1518.6							
	OBS	00250	16.67	36.36	26.65		1518.3							
	OBS	00300	16.20	36.26	26.69		1517.6							
	OBS	00400	14.91	36.03	26.80		1514.9							
	OBS	00500	13.74	35.88	26.94		1512.6							
	OBS	00600	12.40	35.69	27.06		1509.6							
	OBS	00700	10.07	35.39	27.26		1502.6							
	OBS	00800	08.49	35.26	27.42		1498.3							
	OBS	00900	07.03	35.21	27.60		1494.3							
	OBS	01000	05.93	35.18	27.72		1491.5							
	OBS	01100	05.37	35.15	27.77		1490.9							
	OBS	01200	04.93	35.14	27.82		1490.8							
	OBS	01300	04.68	35.13	27.84		1491.4							
	OBS	01400	04.38	35.11	27.85		1491.8							
	OBS	01500	04.24	35.12	27.88		1492.9							
	OBS	01750	03.92	35.10	27.90		1495.8							
	OBS	02000	03.73	35.10	27.92		1499.2							
	OBS	02500	03.26	35.10	27.96		1505.8							
	OBS	03000	02.85	35.09	27.99		1512.6							

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REFID 31 8223 YEAR 1970 BOTDP 03700 AIR TEMP 21. DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 11 SHIP OW WET BULB 19. 23 3 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 35 08 N DAY 08 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 54 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E48 018 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	20.89	36.50	25.68		1526.3							
	OBS	00010	20.89	36.50	25.68		1526.4							
	OBS	00020	20.89	36.50	25.68		1526.6							
	OBS	00030	20.86	36.51	25.70		1526.7							
	OBS	00050	18.52	36.37	26.21		1520.4							
	OBS	00075	17.62	36.47	26.51		1518.4							
	OBS	00100	17.26	36.43	26.57		1517.7							
	OBS	00125	17.16	36.41	26.57		1517.8							
	OBS	00150	17.06	36.43	26.61		1517.9							
	OBS	00200	16.96	36.42	26.63		1518.4							
	OBS	00250	16.56	36.34	26.66		1517.9							
	OBS	00300	16.10	36.26	26.71		1517.3							
	OBS	00400	15.26	36.10	26.78		1516.1							
	OBS	00500	14.06	35.91	26.89		1513.7							
	OBS	00600	12.55	35.67	27.02		1510.0							
	OBS	00675	11.03	35.45	27.14		1505.7							
	OBS	00680	11.13	35.49	27.15		1506.2							
	OBS	00700	10.81	35.45	27.18		1505.4							
	OBS	00755	09.64	35.35	27.31		1501.9							
	OBS	00760	09.73	35.40	27.33		1502.4							
	OBS	00800	08.75	35.26	27.38		1499.3							
	OBS	00880	07.47	35.24	27.56		1495.7							
	OBS	00900	07.60	35.30	27.59		1496.6							
	OBS	00990	06.62	35.20	27.65		1494.1							
	OBS	01000	06.74	35.25	27.67		1494.9							
	OBS	01100	05.59	35.16	27.75		1491.8							
	OBS	01200	05.11	35.16	27.81		1491.5							
	OBS	01300	04.81	35.15	27.84		1492.0							
	OBS	01400	04.61	35.15	27.86		1492.8							
	OBS	01500	04.43	35.15	27.88		1493.8							

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTDP 04820	AIR TEMP 21.	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0019	MONTH 11	SHIP OW	WET BULB 21.	28 2 4	WIND-SPD 04	TRACE DIR D	5 SQUARE 2
LAT 34 59 N	DAY 08	DATA USE 1	BAROMETR 1019.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 02 W	HOUR 23.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E48 019	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.4	OBS	00000	21.00	36.48	25.64		1526.5							
	OBS	00010	20.98	36.49	25.65		1526.7							
	OBS	00020	20.98	36.50	25.66		1526.8							
	OBS	00030	20.99	36.51	25.66		1527.0							
	OBS	00050	18.34	36.45	26.31		1520.0							
	OBS	00075	17.77	36.46	26.46		1518.8							
	OBS	00100	17.36	36.43	26.54		1518.0							
	OBS	00125	17.21	36.42	26.57		1517.9							
	OBS	00150	17.15	36.41	26.58		1518.2							
	OBS	00200	17.00	36.41	26.61		1518.5							
	OBS	00250	16.81	36.37	26.63		1518.7							
	OBS	00300	16.36	36.28	26.67		1518.1							
	OBS	00400	15.25	36.10	26.78		1516.1							
	OBS	00500	13.76	35.86	26.92		1512.7							
	OBS	00600	12.36	35.63	27.03		1509.3							
	OBS	00700	10.16	35.35	27.22		1502.9							
	OBS	00800	08.12	35.22	27.45		1496.8							
	OBS	00860	07.41	35.21	27.55		1495.1							
	OBS	00865	07.53	35.25	27.56		1495.7							
	OBS	00870	07.45	35.25	27.57		1495.5							
	OBS	00880	07.55	35.26	27.56		1496.0							
	OBS	00900	06.95	35.19	27.60		1493.9							
	OBS	01000	06.28	35.23	27.72		1493.0							
	OBS	01100	05.41	35.15	27.77		1491.1							
	OBS	01200	05.13	35.15	27.80		1491.6							
	OBS	01280	04.76	35.14	27.84		1491.4							
	OBS	01300	04.86	35.16	27.84		1492.2							
	OBS	01400	04.62	35.15	27.86		1492.9							
	OBS	01500	04.29	35.12	27.87		1493.1							

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REFID 31 8223	YEAR 1970	BOTDP 04550	AIR TEMP 21.	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0020	MONTH 11	SHIP OW	WET BULB 21.	27 1 3	WIND-SPD 07	TRACE DIR D	5 SQUARE 2
LAT 34 55 N	DAY 09	DATA USE 1	BAROMETR 1018.1	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 00 W	HOUR 12.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X8	ORIG E48 020	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.6	OBS	00000	21.12	36.52	25.64		1526.9							
	OBS	00010	21.12	36.53	25.64		1527.1							
	OBS	00020	21.12	36.53	25.64		1527.2							
	OBS	00030	21.10	36.53	25.65		1527.4							
	OBS	00050	18.77	36.44	26.20		1521.2							
	OBS	00075	17.67	36.45	26.48		1518.5							
	OBS	00100	17.37	36.44	26.55		1518.0							
	OBS	00125	17.22	36.43	26.58		1518.0							
	OBS	00150	17.17	36.43	26.59		1518.2							
	OBS	00200	17.08	36.42	26.60		1518.8							
	OBS	00250	16.91	36.39	26.62		1519.1							
	OBS	00300	16.55	36.31	26.64		1518.7							
	OBS	00400	15.30	36.06	26.74		1516.2							
	OBS	00500	13.99	35.91	26.91		1513.5							
	OBS	00600	12.41	35.63	27.02		1509.5							
	OBS	00700	10.32	35.37	27.20		1503.5							
	OBS	00800	08.78	35.31	27.42		1499.4							
	OBS	00900	07.26	35.26	27.61		1495.2							
	OBS	00905	07.53	35.32	27.61		1496.4							
	OBS	00920	07.29	35.32	27.65		1495.8							
	OBS	01000	06.18	35.18	27.69		1492.5							
	OBS	01100	05.50	35.17	27.77		1491.5							
	OBS	01200	04.96	35.14	27.81		1490.9							
	OBS	01300	04.64	35.13	27.84		1491.2							
	OBS	01400	04.37	35.11	27.86		1491.8							
	OBS	01500	04.22	35.11	27.87		1492.8							
	OBS	01750	03.96	35.10	27.89		1495.9							
	OBS	02000	03.73	35.10	27.92		1499.2							
	OBS	02500	03.27	35.10	27.96		1505.8							
	OBS	03000	02.85	35.09	27.99		1512.6							

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTDP 03830	AIR TEMP 21.	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0021	MONTH 11	SHIP OW	WET BULB 21.	17 0 2	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 09	DATA USE 1	BAROMETR 1018.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 58 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E48 021	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	21.09	36.52	25.64		1526.8							
	OBS	00010	21.06	36.53	25.66		1526.9							
	OBS	00020	21.06	36.53	25.66		1527.1							
	OBS	00030	21.06	36.53	25.66		1527.3							
	OBS	00050	20.76	36.45	25.68		1526.7							
	OBS	00075	18.10	36.47	26.39		1519.8							
	OBS	00100	17.56	36.44	26.50		1518.6							
	OBS	00125	17.39	36.45	26.55		1518.5							
	OBS	00150	17.22	36.43	26.58		1518.4							
	OBS	00200	17.12	36.43	26.60		1519.9							
	OBS	00250	16.96	36.40	26.62		1519.2							
	OBS	00300	16.58	36.32	26.64		1518.8							
	OBS	00400	15.25	36.09	26.77		1516.1							
	OBS	00500	13.87	35.90	26.93		1513.1							
	OBS	00600	12.46	35.64	27.01		1509.7							
	OBS	00700	10.29	35.39	27.22		1503.4							
	OBS	00800	08.68	35.27	27.40		1499.0							
	OBS	00900	07.25	35.23	27.58		1495.2							
	OBS	00920	07.56	35.32	27.61		1496.8							
	OBS	00930	07.30	35.30	27.63		1495.9							
	OBS	01000	06.30	35.17	27.67		1493.0							
	OBS	01100	05.65	35.17	27.75		1492.1							
	OBS	01200	04.99	35.12	27.79		1491.0							
	OBS	01300	04.72	35.13	27.83		1491.6							
	OBS	01400	04.55	35.14	27.86		1492.6							
	OBS	01500	04.29	35.12	27.87		1493.1							

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REFID 31 8223	YEAR 1970	BOTDP 04690	AIR TEMP 21.	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0022	MONTH 11	SHIP OW	WET BULB 20.	15 2 3	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 10	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 047 58 W	HOUR 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E48 022	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	21.14	36.52	25.63		1527.0							
	OBS	00010	21.14	36.53	25.64		1527.1							
	OBS	00020	21.13	36.53	25.64		1527.3							
	OBS	00030	21.09	36.54	25.66		1527.3							
	OBS	00050	19.41	36.41	26.01		1523.0							
	OBS	00075	17.71	36.43	26.46		1518.6							
	OBS	00100	17.46	36.44	26.52		1518.3							
	OBS	00125	17.26	36.43	26.57		1518.1							
	OBS	00150	17.13	36.42	26.59		1518.1							
	OBS	00200	17.04	36.42	26.61		1518.7							
	OBS	00250	16.76	36.36	26.63		1518.6							
	OBS	00300	16.41	36.31	26.68		1518.3							
	OBS	00400	14.96	36.04	26.80		1515.1							
	OBS	00500	13.80	35.89	26.93		1512.8							
	OBS	00600	12.10	35.57	27.03		1508.4							
	OBS	00700	10.00	35.36	27.25		1502.3							
	OBS	00800	08.45	35.31	27.47		1498.2							
	OBS	00900	07.39	35.29	27.61		1495.8							
	OBS	01000	06.40	35.21	27.69		1493.5							
	OBS	01100	05.76	35.19	27.75		1492.5							
	OBS	01200	05.13	35.14	27.79		1491.6							
	OBS	01300	04.74	35.15	27.85		1491.7							
	OBS	01320	04.82	35.16	27.84		1492.4							
	OBS	01340	04.57	35.12	27.84		1491.6							
	OBS	01355	04.76	35.16	27.85		1492.7							
	OBS	01380	04.69	35.15	27.87		1492.0							
	OBS	01400	04.55	35.15	27.87		1492.6							
	OBS	01500	04.27	35.12	27.87		1493.1							
	OBS	01750	04.09	35.11	27.89		1496.5							
	OBS	02000	03.69	35.10	27.92		1499.1							
	OBS	02500	03.28	35.10	27.96		1505.9							
	OBS	03000	02.85	35.09	27.99		1512.6							

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTDP 02100 AIR TEMP 22. DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0023 MONTH 11 SHIP OW WET BULB 21. 17 2 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2
LAT 34 48 N DAY 11 DATA USE 1 BAROMETR 1017.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 06 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E48 023 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SI03	PH
00.2	OBS	00000	20.87	36.36	25.58		1526.1							
	OBS	00010	20.92	36.45	25.64		1526.5							
	OBS	00020	20.98	36.52	25.67		1526.9							
	OBS	00030	20.98	36.53	25.68		1527.0							
	OBS	00050	20.98	36.53	25.68		1527.4							
	OBS	00075	18.25	36.44	26.33		1520.2							
	OBS	00100	17.42	36.43	26.53		1518.2							
	OBS	00125	17.28	36.43	26.56		1518.2							
	OBS	00150	17.12	36.42	26.59		1518.1							
	OBS	00200	16.99	36.41	26.62		1518.5							
	OBS	00250	16.73	36.36	26.64		1518.5							
	OBS	00300	16.35	36.29	26.68		1518.1							
	OBS	00400	15.11	36.06	26.78		1515.6							
	OBS	00500	14.00	35.93	26.92		1513.5							
	OBS	00600	12.28	35.63	27.04		1509.1							
	OBS	00700	10.62	35.47	27.23		1504.7							
	OBS	00800	08.72	35.32	27.43		1499.2							
	OBS	00900	07.40	35.24	27.57		1495.8							
	OBS	00930	07.57	35.33	27.62		1497.0							
	OBS	01000	06.90	35.31	27.70		1495.6							
	OBS	01100	05.40	35.12	27.74		1491.0							
	OBS	01115	05.37	35.19	27.80		1491.2							
	OBS	01140	05.65	35.23	27.80		1492.8							
	OBS	01200	05.03	35.14	27.80		1491.2							
	OBS	01300	04.76	35.14	27.84		1491.7							
	OBS	01400	04.56	35.13	27.85		1492.6							
	OBS	01500	04.26	35.11	27.87		1493.0							

REFID 31 8223 YEAR 1970 BOTDP 04350 AIR TEMP 22. DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 11 SHIP OW WET BULB 18. 12 2 3 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4
LAT 35 11 N DAY 11 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 19 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E48 024 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SI03	PH
11.8	OBS	00000	20.85	36.42	25.63		1526.1							
	OBS	00010	20.96	36.52	25.68		1526.7							
	OBS	00020	20.96	36.52	25.68		1526.8							
	OBS	00030	20.97	36.53	25.68		1527.0							
	OBS	00050	18.85	36.35	26.11		1521.4							
	OBS	00075	17.80	36.42	26.43		1518.8							
	OBS	00100	17.33	36.42	26.54		1517.9							
	OBS	00125	17.15	36.41	26.58		1517.7							
	OBS	00150	17.06	36.42	26.60		1518.0							
	OBS	00200	16.91	36.39	26.62		1518.2							
	OBS	00250	16.52	36.31	26.65		1517.6							
	OBS	00300	16.00	36.22	26.70		1516.9							
	OBS	00400	15.08	36.07	26.80		1515.5							
	OBS	00500	14.12	35.94	26.91		1513.9							
	OBS	00600	13.05	35.75	26.98		1511.8							
	OBS	00700	11.30	35.53	27.15		1507.2							
	OBS	00800	09.15	35.33	27.37		1500.8							
	OBS	00900	07.00	35.16	27.57		1494.1							
	OBS	00940	06.42	35.12	27.61		1492.4							
	OBS	00960	06.53	35.22	27.68		1493.3							
	OBS	01000	06.33	35.22	27.70		1493.2							
	OBS	01100	05.51	35.16	27.76		1491.5							
	OBS	01200	05.15	35.16	27.81		1491.7							
	OBS	01300	05.00	35.18	27.84		1492.8							
	OBS	01400	04.52	35.13	27.85		1492.4							
	OBS	01500	04.27	35.11	27.87		1493.0							
	OBS	01750	03.91	35.09	27.89		1495.7							
	OBS	02000	03.75	35.10	27.91		1499.3							
	OBS	02500	03.37	35.10	27.95		1506.2							
	OBS	03000	02.84	35.09	27.99		1512.6							

TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTDP 04580 AIR TEMP 20. DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 11 SHIP OW WET BULB 19. 19 2 4 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 11 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 05 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E48 025 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	21.26	36.42	25.52		1527.2							
	OBS	00010	21.26	36.43	25.53		1527.3							
	OBS	00020	21.26	36.44	25.54		1527.5							
	OBS	00030	21.34	36.53	25.58		1528.0							
	OBS	00050	20.49	36.59	25.86		1526.1							
	OBS	00075	18.49	36.49	26.31		1520.9							
	OBS	00100	18.04	36.50	26.43		1520.0							
	OBS	00125	17.69	36.47	26.49		1519.4							
	OBS	00150	17.56	36.48	26.53		1519.4							
	OBS	00200	17.11	36.42	26.59		1518.9							
	OBS	00250	16.94	36.40	26.62		1519.2							
	OBS	00300	16.42	36.30	26.67		1518.3							
	OBS	00400	14.95	36.05	26.81		1515.1							
	OBS	00500	13.64	35.86	26.94		1512.3							
	OBS	00600	11.49	35.50	27.09		1506.2							
	OBS	00700	10.05	35.41	27.28		1502.6							
	OBS	00800	08.53	35.30	27.45		1498.5							
	OBS	00900	07.44	35.28	27.60		1496.0							
	OBS	00915	07.25	35.33	27.66		1495.5							
	OBS	00940	07.51	35.37	27.66		1497.0							
	OBS	01000	06.70	35.28	27.70		1494.7							
	OBS	01100	05.58	35.16	27.75		1491.8							
	OBS	01200	05.14	35.16	27.81		1491.7							
	OBS	01300	04.82	35.15	27.84		1492.0							
	OBS	01400	04.55	35.13	27.85		1492.5							
	OBS	01500	04.34	35.14	27.88		1493.4							

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REFID 31 8223 YEAR 1970 BOTDP 04550 AIR TEMP 21. DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0026 MONTH 11 SHIP OW WET BULB 21. 17 2 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 12 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
LONG 048 19 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E48 026 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	21.32	36.49	25.56		1527.4							
	OBS	00010	21.32	36.50	25.57		1527.6							
	OBS	00020	21.32	36.50	25.57		1527.7							
	OBS	00030	21.32	36.50	25.57		1527.9							
	OBS	00050	20.50	36.45	25.75		1526.0							
	OBS	00075	18.60	36.47	26.26		1521.2							
	OBS	00100	17.91	36.47	26.44		1519.6							
	OBS	00125	17.68	36.48	26.50		1519.4							
	OBS	00150	17.45	36.46	26.54		1519.1							
	OBS	00200	17.12	36.41	26.58		1518.9							
	OBS	00250	16.84	36.38	26.63		1518.8							
	OBS	00300	16.49	36.32	26.67		1518.5							
	OBS	00400	15.40	36.10	26.75		1516.6							
	OBS	00500	13.88	35.88	26.91		1513.1							
	OBS	00600	12.64	35.65	26.99		1510.3							
	OBS	00700	10.90	35.50	27.20		1505.8							
	OBS	00800	08.86	35.32	27.41		1499.8							
	OBS	00900	07.50	35.26	27.57		1496.2							
	OBS	00910	07.42	35.24	27.57		1496.0							
	OBS	00920	07.64	35.34	27.61		1497.1							
	OBS	01000	06.36	35.19	27.68		1493.3							
	OBS	01100	05.47	35.14	27.75		1491.3							
	OBS	01105	05.63	35.19	27.77		1492.1							
	OBS	01200	05.06	35.14	27.80		1491.3							
	OBS	01300	04.66	35.12	27.83		1491.3							
	OBS	01400	04.41	35.11	27.85		1491.9							
	OBS	01500	04.23	35.11	27.87		1492.9							
	OBS	01750	04.00	35.10	27.89		1496.1							
	OBS	02000	03.76	35.10	27.91		1499.3							
	OBS	02500	03.24	35.09	27.96		1505.7							
	OBS	03000	02.86	35.08	27.98		1512.7							

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTDP 01800	AIR TEMP 21.	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0027	MONTH 11	SHIP OW	WET BULB 21.	14 2 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 10 N	DAY 12	DATA USE 1	BAROMETR 1020.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 10 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E48 027	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.6	OBS	00000	20.93	36.20	25.44		1526.0							
	OBS	00010	20.93	36.20	25.44		1526.2							
	OBS	00020	20.93	36.21	25.45		1526.4							
	OBS	00030	20.90	36.22	25.47		1526.5							
	OBS	00050	20.78	36.30	25.56		1526.6							
	OBS	00075	19.75	36.53	26.01		1524.5							
	OBS	00100	18.60	36.50	26.29		1521.6							
	OBS	00125	18.12	36.51	26.42		1520.7							
	OBS	00150	17.75	36.49	26.49		1520.0							
	OBS	00200	17.37	36.46	26.56		1519.7							
	OBS	00250	17.13	36.44	26.60		1519.8							
	OBS	00300	16.95	36.41	26.63		1520.0							
	OBS	00400	15.45	36.08	26.72		1516.7							
	OBS	00500	13.81	35.89	26.93		1512.9							
	OBS	00600	12.72	35.69	27.00		1510.6							
	OBS	00700	10.74	35.45	27.19		1505.1							
	OBS	00800	09.18	35.34	27.37		1501.0							
	OBS	00900	07.67	35.28	27.56		1496.8							
	OBS	01000	06.37	35.20	27.68		1493.3							
	OBS	01100	05.51	35.16	27.76		1491.5							
	OBS	01200	05.16	35.17	27.81		1491.7							
	OBS	01300	04.89	35.17	27.84		1492.3							
	OBS	01400	04.78	35.18	27.86		1493.6							
	OBS	01500	04.37	35.14	27.88		1493.5							

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REFID 31 8223	YEAR 1970	BOTDP 04190	AIR TEMP 22.	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0028	MONTH 11	SHIP OW	WET BULB 21.	15 2 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 13	DATA USE 1	BAROMETR 1018.4	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 07 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X8	ORIG E48 028	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	20.84	36.16	25.44		1525.7							
	OBS	00010	20.85	36.17	25.44		1526.0							
	OBS	00020	20.86	36.18	25.45		1526.2							
	OBS	00030	21.03	36.36	25.54		1527.0							
	OBS	00050	20.10	36.51	25.90		1525.0							
	OBS	00075	18.95	36.47	26.17		1522.2							
	OBS	00100	18.03	36.50	26.43		1520.0							
	OBS	00125	17.78	36.50	26.49		1519.7							
	OBS	00150	17.65	36.48	26.51		1519.7							
	OBS	00200	17.30	36.45	26.57		1519.5							
	OBS	00250	17.13	36.44	26.60		1519.8							
	OBS	00300	17.03	36.43	26.62		1520.3							
	OBS	00400	15.85	36.21	26.73		1518.1							
	OBS	00500	14.00	35.92	26.92		1513.5							
	OBS	00600	12.95	35.75	27.00		1511.5							
	OBS	00700	11.30	35.52	27.14		1507.2							
	OBS	00800	09.40	35.35	27.35		1501.8							
	OBS	00900	07.50	35.26	27.57		1496.2							
	OBS	01000	06.41	35.21	27.69		1493.5							
	OBS	01100	05.73	35.18	27.75		1492.4							
	OBS	01200	05.13	35.15	27.80		1491.6							
	OBS	01260	05.00	35.16	27.82		1492.1							
	OBS	01270	05.12	35.18	27.82		1492.8							
	OBS	01300	05.00	35.18	27.84		1492.8							
	OBS	01400	04.62	35.15	27.86		1492.9							
	OBS	01500	04.32	35.14	27.88		1493.3							
	OBS	01750	03.81	35.08	27.89		1495.3							
	OBS	02000	03.71	35.09	27.91		1499.1							
	OBS	02500	03.29	35.10	27.96		1505.9							
	OBS	03000	02.78	35.08	27.99		1512.3							

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTDP 05200	AIR TEMP 20.	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1207
CONSEC 0029	MONTH 11	SHIP ON	WET BULB 19.	24 1 4	WIND-SPD 10	TRACE DIR 0	5 SQUARE 3
LAT 35 05 N	DAY 13	DATA USE L	BAROMETR 1017.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 40
LONG 050 00 W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E48 029	1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.5	OBS	00000	21.32	36.23	25.36		1527.1							
	OBS	00010	21.35	36.24	25.36		1527.3							
	OBS	00020	21.35	36.25	25.37		1527.5							
	OBS	00030	21.33	36.26	25.38		1527.6							
	OBS	00050	21.31	36.38	25.48		1528.1							
	OBS	00075	20.10	36.45	25.86		1525.3							
	OBS	00100	18.80	36.49	26.23		1522.2							
	OBS	00125	18.20	36.51	26.40		1520.9							
	OBS	00150	17.82	36.46	26.45		1520.2							
	OBS	00200	17.50	36.45	26.52		1520.1							
	OBS	00250	17.17	36.42	26.58		1519.9							
	OBS	00300	17.12	36.45	26.61		1520.6							
	OBS	00400	16.56	36.30	26.63		1520.4							
	OBS	00500	14.55	35.92	26.80		1515.3							
	OBS	00600	12.75	35.69	27.00		1510.7							
	OBS	00700	10.60	35.36	27.15		1504.5							
	OBS	00760	08.87	35.26	27.36		1499.0							
	OBS	00770	08.98	35.29	27.37		1499.7							
	OBS	00800	08.65	35.25	27.39		1498.9							
	OBS	00900	06.83	35.11	27.55		1493.4							
	OBS	01000	05.54	35.09	27.70		1489.8							
	OBS	01100	05.00	35.09	27.77		1489.3							
	OBS	01200	04.73	35.10	27.81		1489.9							
	OBS	01300	04.55	35.11	27.84		1490.8							
	OBS	01400	04.37	35.10	27.85		1491.8							
	OBS	01500	04.20	35.10	27.87		1492.7							

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TABLE XXVIII.--Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station ECHO 14 November 1970 - 7 December 1970, prepared from NODC listing No. 31 - 1777.

REFID 31 1777 YEAR 1970 BOTDP 04023 AIR TEMP 22.2 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 11 SHIP DU WET BULB 19.0 14 2 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 15 DATA USE 1 BAROMETR 1021.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 16.7 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E49 001 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.7	OBS	00000	21.13	36.215	25.40		1526.6	05.24						
16.7	OBS	00024	21.01	36.336	25.53		1526.8	05.24						
16.7	OBS	00050	20.82	36.473	25.68		1526.9	05.12						
16.7	OBS	00075	20.95	36.521	25.68		1527.7	04.57						
16.7	OBS	00101	18.19					04.59						
16.7	OBS	00150	17.56	36.448	26.51		1519.4	04.77						
16.7	OBS	T00200	17.24	36.413	26.56		1519.2	04.79						
16.7	OBS	00301	16.61	36.316	26.63		1518.9	05.20						
16.7	OBS	T00400	15.51	36.113	26.73		1516.9	04.95						
16.7	OBS	00501	13.74	35.786	26.87		1512.5	04.50						
16.7	OBS	T00600	12.39	35.595	26.99		1509.4	04.15						
16.7	OBS	00800	08.39	35.183	27.38		1497.8	03.97						
16.7	OBS	T01001	06.79	35.186	27.61		1495.0	04.83						
16.7	OBS	01503	04.30	34.982	27.76		1493.0	06.16						

REFID 31 1777 YEAR 1970 BOTDP 04663 AIR TEMP 24.0 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 11 SHIP DU WET BULB 21.0 12 2 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.9 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E49 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	21.02	36.246	25.45		1526.3	05.09						
13.9	OBS	00025	20.78	36.267	25.54		1526.1	05.01						
13.9	OBS	00051	20.94	36.354	25.56		1527.1	04.98						
13.9	OBS	00076	20.89	36.482	25.67		1527.5	04.29						
13.9	OBS	00102	17.99	36.456	26.41		1519.9	04.63						
13.9	OBS	00153	17.34	36.417	26.54		1518.8	04.53						
13.9	OBS	00204	17.05	36.388	26.58		1518.7	04.63						
13.9	OBS	00306	16.48	36.294	26.65		1518.6	04.77						
13.9	OBS	T00407	15.33	36.082	26.75		1516.4	04.72						
13.9	OBS	00510	13.24	35.700	26.90		1510.9	04.24						
13.9	OBS	T00611	11.55	35.516	27.09		1506.6	04.04						
13.9	OBS	00814	08.08	35.216	27.45		1496.9	04.03						
13.9	OBS	T01019	06.65	35.239	27.68		1494.8	04.70						
13.9	OBS	01530	04.31	35.006	27.78		1493.6	05.69						

REFID 31 1777 YEAR 1970 BOTDP 04114 AIR TEMP 21.4 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 11 SHIP DU WET BULB 19.7 19 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 17 DATA USE 1 BAROMETR 1023.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.5 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 ORIG E49 003 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	20.73	36.131	25.45		1525.4	05.20						
12.5	OBS	00025	20.70	36.155	25.47		1525.8	05.18						
12.5	OBS	00050	20.96	36.452	25.63		1527.2							
12.5	OBS	00075	20.03	36.428	25.86		1525.1	05.11						
12.5	OBS	00099	17.66	36.396	26.44		1518.8	05.16						
12.5	OBS	00150	17.08	36.361	26.56		1517.9	04.86						
12.5	OBS	00199	16.88	36.365	26.61		1518.1	05.01						
12.5	OBS	00299	16.20	36.241	26.67		1517.5	04.94						
12.5	OBS	T00398	14.52	35.942	26.82		1513.5	04.71						
12.5	OBS	00499	13.24	35.714	26.91		1510.7	04.44						
12.5	OBS	T00598	11.65	35.496	27.06		1506.7							
12.5	OBS	00800	08.51	35.222	27.39		1498.3	04.07						
12.5	OBS	T01003	06.41	35.172	27.66		1493.5	04.96						

TABLE XXVIII.—Continued

REFID 31 1777 YEAR 1970 BOTDP 04114 AIR TEMP 22.0 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 11 SHIP DU WET BULB 20.8 31 2 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 18 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 14.7 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 ORIG E49 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.7	OBS	00000	21.16	36.180	25.37		1526.6	05.17						
14.7	OBS	00024	21.09	36.191	25.39		1526.8	05.08						
14.7	OBS	00046	21.07	36.183	25.39		1527.1	05.05						
14.7	OBS	00069	20.84	36.341	25.56		1527.1	04.80						
14.7	OBS	00092	19.30	36.506	26.11		1523.5	04.34						
14.7	OBS	00138	17.78	36.484	26.48		1519.9	04.70						
14.7	OBS	00183	17.33	36.439	26.56		1519.3	04.80						
14.7	OBS	00273	16.80	36.357	26.62		1519.1	04.92						
14.7	OBS	T00362	15.70	36.148	26.72		1516.9	04.77						
14.7	OBS	00450	14.44	35.921	26.82		1514.1	04.58						
14.7	OBS	T00537	13.37	35.711	26.85		1511.8	04.69						
14.7	OBS	00711	09.72	35.293	27.25		1501.4	03.76						
14.7	OBS	T00888	07.21	35.129	27.51		1494.7	04.34						
14.7	OBS	T01382	04.37	34.978	27.75		1491.3	05.94						

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REFID 31 1777 YEAR 1970 BOTDP 04480 AIR TEMP 22.1 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 11 SHIP DU WET BULB 21.0 18 2 3 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.6 AREA 05 CLOUD T/A 2/5 CL/TR WEATHER X1 ORIG E49 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	21.08	36.147	25.36		1526.4	05.17						
12.6	OBS	00028	20.91	36.135	25.40		1526.4	05.27						
12.6	OBS	00054	20.97	36.215	25.45		1527.0	05.13						
12.6	OBS	00082	19.81	36.531	26.00		1524.8	04.37						
12.6	OBS	00108	18.56	36.506	26.30		1521.7	04.48						
12.6	OBS	00163	17.68	36.463	26.49		1520.0	04.73						
12.6	OBS	00217	17.23	36.410	26.56		1519.5							
12.6	OBS	00324	16.47	36.276	26.64		1518.8	04.68						
12.6	OBS	T00432	14.83	36.007	26.80		1515.2	04.96						
12.6	OBS	00541	13.12	35.698	26.93		1511.0	04.75						
12.6	OBS	T00649	11.57	35.486	27.07		1507.2	04.00						
12.6	OBS	00868	07.52	35.144	27.48		1495.6	04.34						
12.6	OBS	T01088	05.72	35.108	27.65		1492.1	05.34						
12.6	OBS	01639	04.11	34.988	27.75		1494.5	06.19						

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REFID 31 1777 YEAR 1970 BOTDP 04663 AIR TEMP 17.7 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 11 SHIP DU WET BULB 12.4 34 3 3 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 22 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.6 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E49 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	20.66	36.188	25.51		1525.3	05.14						
13.6	OBS	00023	20.64	36.185	25.51		1525.6	05.17						
13.6	OBS	00048	20.66	36.189	25.51		1526.1	05.14						
13.6	OBS	00071	19.79	36.507	25.98		1524.5	04.42						
13.6	OBS	00095	18.47	36.451	26.28		1521.1	04.66						
13.6	OBS	00142	17.79	36.475	26.47		1520.0	04.75						
13.6	OBS	T00189	17.41	36.442	26.54		1519.6	04.82						
13.6	OBS	00284	16.91	36.374	26.61		1519.6							
13.6	OBS	T00377	16.03	36.210	26.69		1518.3	04.89						
13.6	OBS	00472	15.01	36.032	26.78		1516.4	05.01						
13.6	OBS	T00565	13.77	35.832	26.90		1513.7	04.90						
13.6	OBS	00754	10.80	35.421	27.16		1506.2	04.03						
13.6	OBS	00943	07.68	35.168	27.47		1497.4	04.35						
13.6	OBS	T01422	04.65	35.031	27.76		1493.2	05.86						

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REFID 31 1777 YEAR 1970 BOTDP 02926 AIR TEMP 19.6 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 11 SHIP DU WET BULB 15.8 06 3 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 23 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 35 W HOUR 13.8 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E49 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	20.77	36.273	25.54		1525.7	05.34						
13.8	OBS	00023	20.73 Q	36.265	25.55Q			05.32						
13.8	OBS	00045	20.76	36.262	25.54		1526.4							
13.8	OBS	00067	20.72	36.337	25.61		1526.7	05.29						
13.8	OBS	00088	19.35	36.447	26.05		1523.5	05.24						
13.8	OBS	00133	17.84	36.475	26.46		1520.0	04.86						
13.8	OBS	00177	17.48	36.432	26.51		1519.6	04.92						
13.8	OBS	00266	17.05	36.432	26.62		1519.8	05.12						
13.8	OBS	T00355	16.30	36.333	26.72		1518.9	05.00						
13.8	OBS	00444	15.44	36.157	26.78		1517.5	04.64						
13.8	OBS	T00533	13.99	35.991	26.97		1514.1	04.57						
13.8	OBS	00711	11.82	35.738	27.21		1509.5	03.98						
13.8	OBS	T00889	09.82	35.472	27.37		1505.0	04.67						
13.8	OBS	T01360	05.34	35.208	27.82		1495.2	05.89						

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TABLE XXVIII.—Continued

REFID 31 1777 YEAR 1970 BOTDP 04663 AIR TEMP 19.5 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 11 SHIP DU WET BULB 15.8 10 4 2 WIND-SPD 24 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 25 DATA USE 1 BAROMETR 1025.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 13.5 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E49 008 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	20.88	36.364	25.58		1526.1	05.06						
13.5	OBS	00029	20.85	36.366	25.59		1526.5	05.04						
13.5	OBS	00056	20.73	36.339	25.60		1526.6							
13.5	OBS	00084	19.32	36.445	26.06		1523.3	04.99						
13.5	OBS	00112	17.46	36.399	26.49		1518.4	04.72						
13.5	OBS	00166	17.02	36.396	26.60		1518.0	04.88						
13.5	OBS	T00221	16.73	36.344	26.63		1518.0	04.89						
13.5	OBS	00330	15.82	36.179	26.71		1516.8	04.75						
13.5	OBS	T00435	14.52	35.954	26.83		1514.2	04.56						
13.5	OBS	00537	13.11	35.705	26.93		1510.9	04.44						
13.5	OBS	T00634	10.97	35.392	27.10		1504.8	03.75						
13.5	OBS	00826	07.86	35.195	27.47		1496.2	04.12						
13.5	OBS	T01024	06.18	35.206	27.71		1493.0	05.02						
13.5	OBS	T01596	04.33	35.001	27.77		1494.8	05.57						

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REFID 31 1777 YEAR 1970 BOTDP 04572 AIR TEMP 20.5 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 11 SHIP DU WET BULB 17.0 12 4 2 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1016.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 14.6 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E49 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.6	OBS	00000	21.04	36.446	25.60		1526.6	05.12						
14.6	OBS	00025	21.05	36.460	25.61		1527.1	05.07						
14.6	OBS	00049	21.08	36.461	25.60		1527.5	05.01						
14.6	OBS	00075	21.06	36.464	25.61		1527.9							
14.6	OBS	00099	17.72	36.374	26.41		1518.9							
14.6	OBS	00148	16.88	36.364	26.61		1517.3	04.80						
14.6	OBS	T00197	16.56	36.318	26.65		1517.1	04.87						
14.6	OBS	00295	15.75	36.178	26.73		1516.0	04.65						
14.6	OBS	T00392	14.64	35.959	26.81		1513.9	04.65						
14.6	OBS	00491	13.45	35.774	26.92		1511.4	04.48						
14.6	OBS	T00590	11.93	35.552	27.05		1507.6	03.99						
14.6	OBS	00790	08.54	35.274	27.43		1498.3	04.02						
14.6	OBS	T00996	06.16	35.161	27.68		1492.4	04.96						

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REFID 31 1777 YEAR 1970 BOTDP 04206 AIR TEMP 19.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 12 SHIP DU WET BULB 14.8 04 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1011.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 14.9 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG E49 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.9	OBS	00000	20.19	36.439	25.83		1524.3	05.25						
14.9	OBS	00025	20.14 Q	36.435	25.84Q			05.29						
14.9	OBS	00051	20.19	36.435	25.82		1525.2	05.24						
14.9	OBS	00075	20.07	36.428	25.85		1525.2							
14.9	OBS	00101	17.32	36.361	26.50		1517.8	04.99						
14.9	OBS	00151	17.00	36.357	26.57		1517.7	04.90						
14.9	OBS	T00201	16.50	36.277	26.63		1516.9	04.83						
14.9	OBS	00302	15.40	36.079	26.73		1514.9	04.74						
14.9	OBS	T00403	13.90					04.65						
14.9	OBS	00504	12.66	35.630	26.97		1508.8	04.30						
14.9	OBS	T00604	10.97	35.404	27.11		1504.3	03.84						
14.9	OBS	00805	07.74	35.183	27.48		1495.4	04.24						
14.9	OBS	T01007	06.46	35.212	27.68		1493.8	05.02						
14.9	OBS	01513	04.09	34.970	27.77		1492.3	06.12						

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TABLE XXIX.–Observed and interpolated oceanographic data for stations taken by USCGC CHINCOTEAGUE at Ocean Station ECHO, 7 December 1970 - 30 December 1970, prepared from NODC listing No. 31 - 1779.

REFID 31 1779 YEAR 1970 BOTDP 04005 AIR TEMP 15.9 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 12 SHIP CC WET BULB 11.9 35 4 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2
LAT 34 59.5N DAY 10 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 09.5 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E50 001 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.5	OBS	00000	19.90	36.496	25.95		1523.6							
09.5	OBS	00025	19.89	36.501	25.95		1524.0							
09.5	OBS	00049	19.94	36.502	25.94		1524.5							
09.5	OBS	00075	19.92	36.506	25.95		1524.9							
09.5	OBS	00100	17.22	36.379	26.54		1517.5							
09.5	OBS	00150	16.95	36.384	26.61		1517.5							
09.5	OBS	T00200	16.60	36.318	26.64		1517.2							
09.5	OBS	00297	15.72	36.146	26.71		1515.9							
09.5	OBS	T00392	14.32	35.917	26.84		1512.8							
09.5	OBS	00488	12.78	35.676	26.98		1509.0							
09.5	OBS	T00582	11.11	35.457	27.13		1506.5							
09.5	OBS	00772	08.26	35.282	27.48		1497.0							
09.5	OBS	T00962	05.97	35.100	27.66		1491.0							
09.5	OBS	T01469	04.24	35.017	27.80		1452.3							

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REFID 31 1779 YEAR 1970 BOTDP 04312 AIR TEMP 18.6 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 12 SHIP CC WET BULB 16.5 24 6 3 WIND-SPD 28 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1010.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 14.7 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X8 ORIG E50 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.7	OBS	00000		36.511										
14.7	OBS	00027		36.511										
14.7	OBS	00052	19.89	36.512	25.96		1524.5							
14.7	OBS	00078	19.88	36.512	25.96		1524.9							
14.7	OBS	00105	17.38	36.369	26.49		1518.0							
14.7	OBS	00154	16.83	36.359	26.61		1517.2							
14.7	OBS	T00201	16.40	36.279	26.65		1516.6							
14.7	OBS	00295	15.84	36.190	26.72		1516.3							
14.7	OBS	T00382	14.12	35.884	26.86		1511.9							
14.7	OBS	00465	13.24	35.742	26.94		1510.2							
14.7	OBS	T00543	11.83	35.546	27.06		1506.5							
14.7	OBS	00696	09.35	35.312	27.32		1499.8							

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REFID 31 1779 YEAR 1970 BOTDP 04316 AIR TEMP 17.2 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 12 SHIP CC WET BULB 14.7 28 0 4 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1014.8 SEA WIND-FOR DURATION 4 SQUARE 48
LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E50 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	19.83	36.518	25.98		1523.5							
12.1	OBS	00023	19.82	36.513	25.98		1523.8							
12.1	OBS	00048	19.95	36.519	25.95		1524.6							
12.1	OBS	00073	19.86	36.521	25.98		1524.7							
12.1	OBS	00098	19.40	36.473	26.06		1523.8							
12.1	OBS	00149	16.78	36.339	26.61		1517.0							
12.1	OBS	T00200	16.15	36.230	26.68		1515.7							
12.1	OBS	00302	14.76	36.012	26.82		1512.8							

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REFID 31 1779 YEAR 1970 BOTDP 04505 AIR TEMP 19.6 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 12 SHIP CC WET BULB 17.1 23 5 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 13 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 41 W HOUR 17.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E50 004 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.0	OBS	00000	19.52	36.450	26.01		1522.9							
17.0	OBS	00029	19.52	36.454	26.01		1523.0							
17.0	OBS	00058	19.56	36.454	26.00		1523.6							
17.0	OBS	00088	18.68	36.407	26.20		1521.6							
17.0	OBS	00118	16.92	36.338	26.58		1516.9							
17.0	OBS	00177	16.45	36.287	26.65		1516.4							
17.0	OBS	T00235	15.81	36.173	26.71		1515.2							
17.0	OBS	00354		35.948										
17.0	OBS	T00473	13.05	35.700	26.94		1509.7							
17.0	OBS	00595	10.77	35.409	27.15		1503.4							
17.0	OBS	T00717	08.88	35.235	27.34		1498.3							
17.0	OBS	00964	06.37	35.184	27.67		1492.7							
17.0	OBS	01214	05.11	35.111	27.77		1491.7							
17.0	OBS	T01855	03.71	34.981	27.82		1496.5							

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TABLE XXIX.—Continued

REFID 31 1779 YEAR 1970 BOTDP 04584 AIR TEMP 19.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 12 SHIP CC WET BULB 18.1 26 6 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 14 DATA USE 1 BAROMETR 1021.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E50 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	19.65	36.359	25.91		1522.8							
12.1	OBS	00025	19.64	36.492	26.01		1523.3							
12.1	OBS	00048	19.66	36.502	26.01		1523.8							
12.1	OBS	00071	19.71	36.520	26.02		1524.3							
12.1	OBS	00096	19.18	36.496	26.14		1523.2							
12.1	OBS	00141	16.84	36.344	26.60		1517.0							
12.1	OBS	T00190	16.52	36.297	26.64		1516.8							
12.1	OBS	00281	15.73	36.170	26.73		1515.7							
12.1	OBS	T00373	14.44	36.012	26.89		1513.0							
12.1	OBS	00735	08.70	35.186	27.33		1497.9							
12.1	OBS	00912	06.53	35.092	27.58		1492.4							
12.1	OBS	T01323	04.63	35.056	27.78		1491.5							

REFID 31 1779 YEAR 1970 BOTDP 02381 AIR TEMP 20.1 DIP HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 12 SHIP CC WET BULB 16.7 23 7 3 WIND-SPD 24 TRACE DIR 5 SQUARE 4
LAT 35 16.7N DAY 15 DATA USE 1 BAROMETR 1019.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 11.9 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG E50 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	19.40	36.215	25.86		1521.9							
11.9	OBS	00030	19.40	36.212	25.86		1522.4							
11.9	OBS	00058	19.43	36.215	25.86		1522.9							
11.9	OBS	00088	18.62	36.401	26.21		1521.4							
11.9	OBS	00117	17.92	36.410	26.39		1519.3							
11.9	OBS	00168	17.38	36.415	26.53		1519.1							
11.9	OBS	T00234	16.95	36.376	26.60		1518.9							
11.9	OBS	00351	15.41	36.095	26.74		1515.6							
11.9	OBS	T00468	13.58	35.784	26.90		1511.4							
11.9	OBS	00588	11.19	35.455	27.11		1504.9							
11.9	OBS	T00710	08.81	35.218	27.34		1497.9							
11.9	OBS	00959	05.95	35.097	27.66		1490.8							
11.9	OBS	01212	04.90											
11.9	OBS	T01662	03.75	34.978	27.82		1490.8							

REFID 31 1779 YEAR 1970 BOTDP 04581 AIR TEMP 18.8 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 12 SHIP CC WET BULB 17.0 27 5 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 11 N DAY 16 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A 9/7 CL/TR WEATHER X8 ORIG E50 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.49	36.242	25.86		1522.2							
12.0	OBS	00058	19.47	36.238	25.86		1523.1							
12.0	OBS	00087	18.95	36.422	26.14		1522.3							
12.0	OBS	00115	17.35	36.384	26.51		1518.1							
12.0	OBS	00174	16.80	36.360	26.62		1517.4							
12.0	OBS	00231	16.33	36.265	26.66		1516.8							
12.0	OBS	00346	14.92	36.021	26.79		1514.1							
12.0	OBS	T00461	13.49	35.779	26.91		1511.0							
12.0	OBS	00576	11.62	35.489	27.06		1506.2							
12.0	OBS	T00690	09.77	35.295	27.24		1501.3							
12.0	OBS	00919	06.44	35.124	27.61		1492.2							
12.0	OBS	01147	05.68											
12.0	OBS	T01721	03.86	34.987	27.81		1494.9							

REFID 31 1779 YEAR 1970 BOTDP 04754 AIR TEMP 17.2 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 12 SHIP CC WET BULB 12.0 31 5 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 17 DATA USE 1 BAROMETR 1020.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 11.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E50 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	19.53	36.360	25.94		1522.4							
11.8	OBS	00024	19.51	36.364	25.95		1522.8							
11.8	OBS	00049	19.52	36.357	25.94		1523.2							
11.8	OBS	00074	19.56	36.367	25.94		1523.7							
11.8	OBS	00098	18.46	36.481	26.31		1521.2							
11.8	OBS	00149	17.67	36.459	26.49		1519.7							
11.8	OBS	00199	17.16	36.409	26.57		1519.0							
11.8	OBS	00295	16.16	36.234	26.68		1517.3							
11.8	OBS	T00391	14.92	36.013	26.79		1514.8							
11.8	OBS	00486	13.58	35.807	26.92		1511.8							
11.8	OBS	T00579	11.57	35.499	27.08		1506.1							
11.8	OBS	00761		35.256										
11.8	OBS	T00942	05.98											

TABLE XXIX.—Continued

REFID 31 1779 YEAR 1970 BOTDP 04269 AIR TEMP 17.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 12 SHIP CC WET BULB 13.8 02 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 59.5N DAY 18 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07.2W HOUR 11.8 AREA 05 CLOUD T/A 0/6 CL/TR WEATHER X1 ORIG E50 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	19.56	36.473	26.02		1526.7							
11.8	OBS	00024	19.54	36.468	26.02		1525.0							
11.8	OBS	00048	19.58	36.468	26.01		1523.5							
11.8	OBS	00072	19.59	36.464	26.00		1525.7							
11.8	OBS	00095	19.32	36.465	26.08		1523.5							
11.8	OBS	00143	17.66	36.450	26.48		1519.6							
11.8	OBS	T00189	17.20	36.413	26.57		1518.9							
11.8	OBS	00278	16.56	36.304	26.64		1518.4							
11.8	OBS	T00364	14.81	35.964	26.77		1513.9							
11.8	OBS	00450	13.46	35.760	26.90		1510.7							
11.8	OBS	00534	12.26	35.589	27.01		1507.9							
11.8	OBS	00711	08.50	35.204	27.38		1496.8							
11.8	OBS	T00900	06.16	35.096	27.63		1490.7							

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REFID 31 1779 YEAR 1970 BOTDP 04364 AIR TEMP 19.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 12 SHIP CC WET BULB 16.9 28 6 3 WIND-SPD 25 TRACE DIR 5 SQUARE 4
LAT 35 00.5N DAY 19 DATA USE 1 BAROMETR 1011.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 17.1 AREA 05 CLOUD T/A 9/5 CL/TR WEATHER X1 ORIG E50 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.1	OBS	00000	19.28	36.263	25.93		1521.6							
17.1	OBS	00027	19.25	36.264	25.94		1522.0							
17.1	OBS	00053	19.31	36.364	26.00		1522.7							
17.1	OBS	00081	19.36	36.372	25.99		1523.3							
17.1	OBS	00108	19.22	36.377	26.03		1523.4							
17.1	OBS	00162	17.56	36.395	26.47		1519.5							
17.1	OBS	T00215	16.55	36.296	26.63		1517.3							
17.1	OBS	T00425	14.03	35.867	26.87		1512.3							
17.1	OBS	00533	12.15											
17.1	OBS	T00640	09.67	35.276	27.24		1500.0							
17.1	OBS	00858	06.73	35.126	27.58		1492.3							
17.1	OBS	T01078	05.82											

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REFID 31 1779 YEAR 1970 BOTDP 04545 AIR TEMP 18.4 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 12 SHIP CC WET BULB 15.0 31 6 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 58.3N DAY 20 DATA USE 1 BAROMETR 1015.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57.7W HOUR 12.0 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E50 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	19.20	36.318	25.99		1521.5							
12.0	OBS	00026	19.18	36.324	26.00		1521.9							
12.0	OBS	00051	19.22	36.335	26.00		1522.4							
12.0	OBS	00078	19.31	36.379	26.01		1523.1							
12.0	OBS	00103	18.31	36.402	26.29		1520.8							
12.0	OBS	00156	16.90	36.355	26.59		1517.4							
12.0	OBS	00209	16.44	36.292	26.66		1516.9							
12.0	OBS	00316	15.22	36.064	26.76		1514.6							
12.0	OBS	T00423	13.82	35.834	26.89		1511.6							
12.0	OBS	00532	12.26	35.609	27.03		1507.9							
12.0	OBS	T00640	09.97	35.341	27.24		1501.2							
12.0	OBS	00858	06.88	35.144	27.57		1492.9							
12.0	OBS	01074	06.02											
12.0	OBS	T01618	03.92	34.984	27.80		1493.4							

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REFID 31 1779 YEAR 1970 BOTDP 04453 AIR TEMP 16.1 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 12 SHIP CC WET BULB 12.4 32 5 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 01.3N DAY 23 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01.5W HOUR 12.1 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG E50 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	19.12	36.385	26.07		1521.3							
12.1	OBS	00024	19.14	36.389	26.06		1521.8							
12.1	OBS	00050	19.20	36.411	26.07		1522.4							
12.1	OBS	00074	19.11	36.429	26.10		1522.6							
12.1	OBS	00099	18.42	36.497	26.33		1521.1							
12.1	OBS	00148	17.78	36.495	26.49		1520.1							
12.1	OBS	T00198	17.50	36.456	26.53		1520.0							
12.1	OBS	00297	17.00	36.377	26.59		1520.1							
12.1	OBS	00395	15.84	36.142	26.68		1517.9							
12.1	OBS	00493	14.02	35.865	26.87		1513.4							
12.1	OBS	T00591	11.21	35.437	27.10		1505.0							
12.1	OBS	00787	07.81	35.168	27.45		1495.4							
12.1	OBS	T00981	05.63	35.071	27.68		1489.9							
12.1	OBS	01464	04.23	35.008	27.79		1492.1							
17.0	OBS	T02031	03.60											
17.0	OBS	T02539	03.19	34.980	27.87		1506.0							
17.0	OBS	03046	02.78	34.929	27.87		1512.9							

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TABLE XXIX.—Continued

REFID 31 1779 YEAR 1970 BOTDP 04664 AIR TEMP 17.0 DIR HGT PER #IND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 12 SHIP CC WET BULB 12.5 33 6 3 #IND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 53.5N DAY 24 DATA USE 1 BAROMETR 1016.1 SEA #IND-FOR DURATION 2 SQUARE 46
LONG 047 57.8W HOUR 12.2 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E50 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	19.14	36.378	26.06		1521.4							
12.2	OBS	00024	19.15	36.365	26.04		1521.8							
12.2	OBS	00047	19.15	36.366	26.04		1522.2							
12.2	OBS	00071	19.16	36.356	26.03		1522.6							
12.2	OBS	00095		36.406										
12.2	OBS	00143	17.77	36.464	26.47		1519.9							
12.2	OBS	T00189	17.40	36.449	26.55		1519.6							
12.2	OBS	00281	16.96	36.389	26.61		1519.7							
12.2	OBS	T00370	15.60	36.122	26.72		1516.7							
12.2	OBS	00456	14.03	35.851	26.86		1512.8							
12.2	OBS	T00548	12.46	35.609	26.99		1508.8							
12.2	OBS	00696		35.176										

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REFID 31 1779 YEAR 1970 BOTDP 04354 AIR TEMP 19.3 DIR HGT PER #IND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 12 SHIP CC WET BULB 17.6 25 6 2 #IND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1008.3 SEA #IND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A 0/7 CL/TR WEATHER X1 ORIG E50 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	19.22	36.309	25.98		1521.5							
11.9	OBS	00020	19.21	36.313	25.99		1521.8							
11.9	OBS	00040	19.22	36.308	25.98		1522.2							
11.9	OBS	00060	19.24	36.313	25.98		1522.6							
11.9	OBS	00080	19.24	36.418	26.06		1523.0							
11.9	OBS	00120	18.13	36.508	26.41		1520.6							
11.9	OBS	T00159	17.53	36.461	26.52		1519.5							
11.9	OBS	00237		36.380										
11.9	OBS	T00315	16.59	36.320	26.64		1519.1							
11.9	OBS	00396	15.41	36.113	26.76		1516.5							
11.9	OBS	00480	13.99	35.866	26.88		1513.1							
11.9	OBS	00655	10.57	35.204	27.03		1503.5							
11.9	OBS	T00834	08.19											

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REFID 31 1779 YEAR 1970 BOTDP 04116 AIR TEMP 17.9 DIR HGT PER #IND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 12 SHIP CC WET BULB 14.1 31 6 4 #IND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 00.3N DAY 26 DATA USE 1 BAROMETR 1014.6 SEA #IND-FOR DURATION 2 SQUARE 48
LONG 048 00.3W HOUR 11.9 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E50 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	19.27	36.379	26.02		1521.7							
11.9	OBS	00023	19.25	36.375	26.02		1522.1							
11.9	OBS	00046	19.27	36.380	26.02		1522.5							
11.9	OBS	00068	19.28	36.377	26.02		1522.9							
11.9	OBS	00092	19.29	36.378	26.02		1523.3							
11.9	OBS	00137	17.66	36.467	26.50		1519.5							
11.9	OBS	T00183	17.33	36.433	26.55		1519.3							
11.9	OBS	00275	16.72	36.339	26.63		1518.8							
11.9	OBS	T00364	15.41	36.095	26.74		1516.0							
11.9	OBS	00455	13.79	35.822	26.88		1512.0							
11.9	OBS	T00545	12.14	35.560	27.01		1507.6							
11.9	OBS	00724	08.43	35.143	27.34		1496.6							
11.9	OBS	00904	06.48											
11.9	OBS	T01342	04.33	35.007	27.78		1490.5							

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REFID 31 1779 YEAR 1970 BOTDP 04312 AIR TEMP 19.7 DIR HGT PER #IND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 12 SHIP CC WET BULB 18.7 31 4 4 #IND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 01.2N DAY 27 DATA USE 1 BAROMETR 1017.0 SEA #IND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 11.8 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E50 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	19.24	36.384	26.03		1521.7							
11.8	OBS	00025	19.20	36.376	26.04		1522.0							
11.8	OBS	00049	19.25	36.373	26.02		1522.5							
11.8	OBS	00075	19.13	36.497	26.15		1522.7							
11.8	OBS	00099	18.24	36.493	26.37		1520.6							
11.8	OBS	00150	17.79	36.494	26.49		1520.1							
11.8	OBS	T00200	17.34	36.463	26.57		1519.6							
11.8	OBS	00299	16.62	36.343	26.65		1518.9							
11.8	OBS	00397	14.56	36.111	26.94		1513.9							
11.8	OBS	00496		35.828										
11.8	OBS	00596	10.56	35.373	27.16		1502.7							
11.8	OBS	00794	07.51											
11.8	OBS	00991	05.59											
11.8	OBS	T01489	04.19	35.025	27.81		1492.4							

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TABLE XXIX.—Continued

REFID 31 1779 YEAR 1970 BOTDP 04314 AIR TEMP 19.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 12 SHIP CC WET BULB 18.8 30 8 4 WIND-SPD 28 TRACE DIR 5 SQUARE 4
LAT 35 04.5N DAY 28 DATA USE 1 BAROMETR 1016.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00.5W HOUR 12.0 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E50 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.99	36.404	26.11		1521.0							
12.0	OBS	00029	18.98	36.397	26.11		1521.4							
12.0	OBS	00057	19.00	36.437	26.14		1522.0							
12.0	OBS	00086	18.88	36.443	26.17		1522.1							
12.0	OBS	00115	18.84	36.432	26.17		1522.5							
12.0	OBS	00173	17.04	36.400	26.60		1518.2							
12.0	OBS	T00230	16.65	36.346	26.65		1517.9							
12.0	OBS	00346	15.62	36.152	26.74		1516.4							
12.0	OBS	00461	10.95	35.712	27.36		1502.3							
12.0	OBS	00576		35.444										
12.0	OBS	T00691	08.42	35.166	27.36		1496.1							
12.0	OBS	00922	05.98											

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REFID 31 1779 YEAR 1970 BOTDP 04349 AIR TEMP 19.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 12 SHIP CC WET BULB 18.5 31 6 4 WIND-SPD 32 TRACE DIR 5 SQUARE 4
LAT 35 00.7N DAY 29 DATA USE 1 BAROMETR 1012.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58.8W HOUR 11.8 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E50 018 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	19.17	36.313	26.00		1521.4							
11.8	OBS	00025	19.16	36.313	26.00		1521.3							
11.8	OBS	00050	19.20	36.312	25.99		1522.3							
11.8	OBS	00075	19.19	36.334	26.01		1522.7							
11.8	OBS	00099	17.75	36.384	26.41		1519.0							
11.8	OBS	00150	16.99	36.365	26.58		1517.6							
11.8	OBS	T00199	16.51	36.310	26.65		1516.9							
11.8	OBS	00298	15.63	36.149	26.73		1515.7							
11.8	OBS	T00396	13.88	35.801	26.85		1511.3							
11.8	OBS	00496		35.616										
11.8	OBS	00595	10.78	35.362	27.12		1503.4							
11.8	OBS	00795	06.84	35.034	27.49		1491.6							
11.8	OBS	00994	05.69											
11.8	OBS	T01496	04.20	34.995	27.78		1492.5							

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REFID 31 1779 YEAR 1970 BOTDP 04369 AIR TEMP 18.2 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 12 SHIP CC WET BULB 15.0 29 6 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2
LAT 34 59.5N DAY 30 DATA USE 1 BAROMETR 1012.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E50 019 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.80	36.308	26.09		1520.3							
12.1	OBS	00022	18.78	36.313	26.10		1520.7							
12.1	OBS	00044	18.82	36.307	26.08		1521.1							
12.1	OBS	00066	18.82	36.303	26.08		1521.5							
12.1	OBS	00087	18.95	36.402	26.12		1522.3							
12.1	OBS	00131	17.19	36.358	26.53		1517.9							
12.1	OBS	T00175	16.63	36.304	26.62		1516.9							
12.1	OBS	00259	15.53	36.291	26.86		1514.9							
12.1	OBS	00341		35.930										
12.1	OBS	00424		35.753										
12.1	OBS	T00506	12.18	35.608	27.04		1507.2							
12.1	OBS	00671	08.87	35.165	27.29		1497.5							
12.1	OBS	00840	06.27	35.016	27.55		1490.0							
12.1	OBS	T01290	04.62	35.042	27.77		1490.9							

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REFID 31 1779 YEAR 1971 BOTDP 04345 AIR TEMP 18.4 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0020 MONTH 01 SHIP CC WET BULB 14.3 79 0 4 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 01 DATA USE 1 BAROMETR 1018.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E50 020 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.80	36.353	26.12		1520.4							
12.0	OBS	00024	18.76	36.358	26.14		1520.7							
12.0	OBS	00045	18.73	36.381	26.16		1521.0							
12.0	OBS	00068	18.77	36.393	26.16		1521.5							
12.0	OBS	00092	17.55	36.384	26.46		1518.4							
12.0	OBS	00137	16.74	36.322	26.61		1516.6							
12.0	OBS	T00182	16.25	36.240	26.66		1515.8							
12.0	OBS	00270	14.55	35.932	26.81		1511.5							
12.0	OBS	T00359	13.92	35.836	26.87		1510.8							
12.0	OBS	00453		35.686										
12.0	OBS	00552	10.78	35.391	27.14		1502.8							
12.0	OBS	00760	06.58	35.019	27.51		1489.9							
12.0	OBS	T00975	05.08	34.981	27.67		1487.4							
12.0	OBS	T01536	04.21	35.007	27.79		1493.3							

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TABLE XXIX.—Continued

REFID	31 1779	YEAR	1971	BOTDP	04403	AIR TEMP	18.8	DIR PGT FOR	WIND-DIR	24	INST NANSEN CAST	TEN SQ	1206
CONSEC	0021	MONTH	01	SHIP CC		WET BULB	16.2	24 7 3	WIND-SPD	28	TRACE DIR	5 SQUARE	4
LAT	35 00 N	DAY	02	DATA USE	1	BAROMETR	1014.1	SEA	WIND-FOR		DURATION	2 SQUARE	46
LONG	047 59 W	HOUR	11.9	AREA	05	CLOUD T/A	6/7	CL/TR	WEATHER	X1	ORIG E50 021	1 SQUARE	57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	18.70	36.349	26.15		1520.1							
11.9	OBS	00023	18.64	36.351	26.16		1520.3							
11.9	OBS	00045	18.68	36.356	26.16		1520.6							
11.9	OBS	00068	18.68	36.352	26.15		1521.2							
11.9	OBS	00091	17.14	36.374	26.55		1517.1							
11.9	OBS	00136	16.76	36.355	26.63		1516.7							
11.9	OBS	T00182	16.27	36.249	26.66		1515.6							
11.9	OBS	00273	14.87	35.972	26.77		1512.0							
11.9	OBS	00367		35.888										
11.9	OBS	00452	12.55	35.089	27.03		1507.6							
11.9	OBS	00557	11.25	35.451	27.10		1504.0							
11.9	OBS	00751	07.57	35.094	27.43		1493.7							
11.9	OBS	00949	05.37	35.028	27.67		1488.2							
11.9	OBS	T01468	04.26	35.022	27.80		1492.3							

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TABLE XXX.—Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 30 December 1970 - 22 January 1971, prepared from NODC listing No. 31 - 8248.

REFID 31 8248	YEAR 1971	BOTDP 04843	AIR TEMP 16.7	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 01	SHIP EN	WET BULB 13.9	26 4 5	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 04	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 51 W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 001	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	18.75											
	OBS	00010	18.76											
	OBS	00020	18.76											
	OBS	00030	18.76											
	OBS	00050	18.73											
	OBS	00070	18.72											
	OBS	00075	18.58											
	OBS	00100	18.29											
	OBS	00125	17.21											
	OBS	00150	17.00											
	OBS	00200	16.35											
	OBS	00250	15.62											
	OBS	00300	15.06											
	OBS	00400	13.74											
	OBS	00500	11.99											
	OBS	00600	09.41											
	OBS	00700	08.00											
	OBS	00741	07.53											
	OBS	00762	07.54											
	OBS	00800	06.84											
	OBS	00900	06.27											
	OBS	00927	05.80											
	OBS	01000	05.47											
	OBS	01040	05.32											
	OBS	01050	05.07											
	OBS	01067	05.05											
	OBS	01074	05.14											
	OBS	01100	04.91											
	OBS	01118	05.08											
	OBS	01200	04.72											
	OBS	01270	04.40											
	OBS	01286	04.47											
	OBS	01300	04.31											
	OBS	01400	04.20											
	OBS	01500	04.04											

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REFID 31 8248	YEAR 1971	BOTDP 04814	AIR TEMP 16.6	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 01	SHIP EN	WET BULB 15.6	27 5 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 04	DATA USE 1	BAROMETR 1009.6	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 29 W	HOUR 12.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	19.03											
	OBS	00010	19.03											
	OBS	00020	19.03											
	OBS	00030	19.03											
	OBS	00050	19.04											
	OBS	00075	19.04											
	OBS	00092	19.04											
	OBS	00100	18.25											
	OBS	00125	17.02											
	OBS	00150	16.81											
	OBS	00200	16.06											
	OBS	00250	15.44											
	OBS	00300	14.61											
	OBS	00400	13.11											
	OBS	00440	12.59											
	OBS	00500	11.23											
	OBS	00580	09.58											
	OBS	00600	08.88											
	OBS	00700	06.90											
	OBS	00800	05.92											
	OBS	00900	05.76											
	OBS	00927	05.66											
	OBS	00932	05.37											
	OBS	00950	05.64											
	OBS	01000	05.31											
	OBS	01020	05.04											
	OBS	01033	05.14											
	OBS	01060	04.88											
	OBS	01100	04.82											
	OBS	01130	04.60											
	OBS	01200	04.51											
	OBS	01300	04.39											
	OBS	01400	04.26											
	OBS	01500	04.16											

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TABLE XXX.—Continued

PEFID 31 8248	YEAR 1971	BOTDP 03609	AIR TEMP 15.2	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 01	SHIP EN	WET BULB 12.2	33 5 6	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 35 06 N	DAY 06	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	18.39											
	OBS	00010	18.40											
	OBS	00020	18.40											
	OBS	00030	18.40											
	OBS	00050	18.40											
	OBS	00075	18.37											
	OBS	00090	18.32											
	OBS	00100	18.00											
	OBS	00125	16.99											
	OBS	00150	16.78											
	OBS	00200	16.48											
	OBS	00250	15.48											
	OBS	00300	14.26											
	OBS	00400	13.05											
	OBS	00500	11.36											
	OBS	00600	08.92											
	OBS	00700	07.01											
	OBS	00800	05.79											
	OBS	00872	05.23											
	OBS	00900	05.17											
	OBS	00935	05.09											
	OBS	00940	04.94											
	OBS	01000	04.84											
	OBS	01100	04.62											
	OBS	01200	04.42											
	OBS	01300	04.24											
	OBS	01400	04.15											
	OBS	01500	04.06											

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PEFID 31 8248	YEAR 1971	BOTDP 04667	AIR TEMP 16.7	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 01	SHIP EN	WET BULB 13.6	31 3 4	WIND-SPD 04	TRACE DIR D	5 SQUARE 2
LAT 34 48 N	DAY 06	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 22 W	HOUR 13.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 004	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	18.34											
	OBS	00010	18.34											
	OBS	00020	18.34											
	OBS	00030	18.34											
	OBS	00050	18.34											
	OBS	00075	18.34											
	OBS	00083	18.34											
	OBS	00100	17.36											
	OBS	00125	16.84											
	OBS	00150	16.71											
	OBS	00200	16.32											
	OBS	00250	15.88											
	OBS	00300	15.19											
	OBS	00400	13.35											
	OBS	00460	11.76											
	OBS	00500	11.21											
	OBS	00600	09.51											
	OBS	00650	08.73											
	OBS	00700	07.51											
	OBS	00800	06.37											
	OBS	00900	05.49											
	OBS	00925	05.37											
	OBS	00947	05.95											
	OBS	00968	05.90											
	OBS	00983	05.50											
	OBS	01000	05.60											
	OBS	01050	05.19											
	OBS	01084	05.13											
	OBS	01100	05.36											
	OBS	01200	05.17											
	OBS	01300	04.90											
	OBS	01400	04.57											
	OBS	01480	04.36											

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TABLE XXX.—Continued

REFID 31 8248	YEAR 1971	BOTDP 04755	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0005	MONTH 01	SHIP EN	WET BULB 16.3	25 4 2	WIND-SPD 19	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 07	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 07 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 005	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	18.28											
	OBS	00010	18.28											
	OBS	00020	18.28											
	OBS	00030	18.28											
	OBS	00050	18.29											
	OBS	00075	18.29											
	OBS	00089	18.29											
	OBS	00100	17.70											
	OBS	00125	16.94											
	OBS	00150	16.75											
	OBS	00200	16.40											
	OBS	00250	15.84											
	OBS	00300	14.94											
	OBS	00400	13.50											
	OBS	00500	11.50											
	OBS	00600	09.55											
	OBS	00700	07.37											
	OBS	00800	06.15											
	OBS	00812	06.02											
	OBS	00832	06.46											
	OBS	00848	05.99											
	OBS	00900	05.66											
	OBS	00945	05.41											
	OBS	00960	05.53											
	OBS	01000	05.25											
	OBS	01100	04.90											
	OBS	01120	05.02											
	OBS	01168	04.80											
	OBS	01183	04.85											
	OBS	01195	04.78											
	OBS	01200	04.81											
	OBS	01300	04.43											
	OBS	01334	04.50											
	OBS	01400	04.26											
	OBS	01500	04.10											

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REFID 31 8248	YEAR 1971	BOTDP 04389	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 01	SHIP EN	WET BULB 17.2	26 3 4	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 05 N	DAY 08	DATA USE 1	BAROMETR 1011.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 54 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG E51 006	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.43											
	OBS	00010	18.42											
	OBS	00020	18.42											
	OBS	00030	18.38											
	OBS	00050	18.36											
	OBS	00075	18.31											
	OBS	00100	17.59											
	OBS	00125	17.18											
	OBS	00150	17.10											
	OBS	00180	16.90											
	OBS	00200	16.50											
	OBS	00250	15.87											
	OBS	00300	15.16											
	OBS	00400	13.93											
	OBS	00448	13.36											
	OBS	00500	11.77											
	OBS	00600	09.72											
	OBS	00700	07.50											
	OBS	00800	06.09											
	OBS	00810	06.52											
	OBS	00818	06.18											
	OBS	00823	06.24											
	OBS	00840	06.20											
	OBS	00877	05.56											
	OBS	00900	05.73											
	OBS	01000	05.22											
	OBS	01047	05.17											
	OBS	01100	04.81											
	OBS	01200	04.47											
	OBS	01285	04.45											
	OBS	01300	04.33											
	OBS	01350	04.48											
	OBS	01400	04.35											
	OBS	01440	04.39											
	OBS	01500	04.33											

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TABLE XXX.—Continued

REFID 31 6248	YEAR 1971	BOTDP 05158	AIR TEMP 13.9	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 01	SHIP EN	WET BULB 11.6	25 5 5	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 40 N	DAY 10	DATA USE 1	BAROMETR 1017.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 049 12 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG E51 007	1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.87											
	OBS	00010	17.87											
	OBS	00020	17.87											
	OBS	00030	17.87											
	OBS	00050	17.89											
	OBS	00075	17.93											
	OBS	00100	17.96											
	OBS	00125	17.98											
	OBS	00150	18.10											
	OBS	00200	17.71											
	OBS	00250	17.38											
	OBS	00300	17.15											
	OBS	00352	17.00											
	OBS	00400	16.63											
	OBS	00500	15.02											
	OBS	00600	13.44											
	OBS	00700	10.60											
	OBS	00800	08.54											
	OBS	00900	06.30											
	OBS	01000	05.70											
	OBS	01018	05.62											
	OBS	01028	05.87											
	OBS	01048	05.88											
	OBS	01100	05.44											
	OBS	01200	04.77											
	OBS	01300	04.61											
	OBS	01400	04.38											
	OBS	01500	04.18											

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REFID 31 8248	YEAR 1971	BOTDP 04114	AIR TEMP 14.6	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 01	SHIP EN	WET BULB 14.6	31 4 4	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 34 49 N	DAY 11	DATA USE 1	BAROMETR 1009.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 25 W	HOUR 00.0	AREA 03	CLOUD T/A	CL/TR	WEATHER X6	ORIG E51 008	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.98											
	OBS	00010	17.98											
	OBS	00020	18.00											
	OBS	00030	18.02											
	OBS	00050	18.02											
	OBS	00075	18.03											
	OBS	00088	18.02											
	OBS	00100	15.92											
	OBS	00125	15.34											
	OBS	00150	15.06											
	OBS	00200	14.57											
	OBS	00250	14.22											
	OBS	00300	13.67											
	OBS	00400	12.04											
	OBS	00500	10.46											
	OBS	00600	08.82											
	OBS	00657	07.78											
	OBS	00700	07.53											
	OBS	00800	06.70											
	OBS	00850	06.40											
	OBS	00870	06.57											
	OBS	00900	06.04											
	OBS	01000	05.24											
	OBS	01100	04.79											
	OBS	01155	04.52											
	OBS	01200	04.49											
	OBS	01300	04.37											
	OBS	01325	04.48											
	OBS	01400	04.25											
	OBS	01405	04.18											
	OBS	01500	04.05											

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TABLE XXX.—Continued

REFID 31 8248	YEAR 1971	BOTDP 04598	AIR TEMP 14.9	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 01	SHIP EN	WET BULB 14.3	01 4 5	WIND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 11	DATA USE 1	BAROMETR 1013.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 45 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 009	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.00											
	OBS	00010	18.00											
	OBS	00020	18.01											
	OBS	00030	18.01											
	OBS	00050	18.02											
	OBS	00075	18.02											
	OBS	00090	18.02											
	OBS	00100	17.65											
	OBS	00105	17.01											
	OBS	00125	16.76											
	OBS	00150	16.51											
	OBS	00200	15.69											
	OBS	00210	15.73											
	OBS	00250	14.99											
	OBS	00300	14.33											
	OBS	00350	13.97											
	OBS	00400	13.08											
	OBS	00490	11.67											
	OBS	00500	11.11											
	OBS	00600	09.37											
	OBS	00700	07.50											
	OBS	00800	06.16											
	OBS	00850	05.84											
	OBS	00900	05.84											
	OBS	00920	05.64											
	OBS	00985	05.42											
	OBS	01000	05.24											
	OBS	01100	04.73											
	OBS	01200	04.47											
	OBS	01300	04.35											
	OBS	01400	04.35											
	OBS	01455	04.15											
	OBS	01500	04.15											

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REFID 31 8248	YEAR 1971	BOTDP 04572	AIR TEMP 16.3	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 01	SHIP EN	WET BULB 14.6	22 1 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 12	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 26 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 010	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.95											
	OBS	00010	17.96											
	OBS	00020	17.96											
	OBS	00030	17.95											
	OBS	00050	17.95											
	OBS	00075	17.94											
	OBS	00100	17.28											
	OBS	00125	16.83											
	OBS	00150	16.66											
	OBS	00200	16.15											
	OBS	00250	15.12											
	OBS	00300	14.35											
	OBS	00400	12.83											
	OBS	00500	10.96											
	OBS	00600	08.85											
	OBS	00700	07.31											
	OBS	00718	06.97											
	OBS	00727	07.16											
	OBS	00770	06.37											
	OBS	00782	06.50											
	OBS	00800	06.34											
	OBS	00830	05.81											
	OBS	00900	05.56											
	OBS	01000	05.19											
	OBS	01100	04.73											
	OBS	01115	04.61											
	OBS	01200	04.47											
	OBS	01300	04.37											
	OBS	01332	04.37											
	OBS	01400	04.23											
	OBS	01500	04.14											

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TABLE XXX.—Continued

REFID 31 8248	YEAR 1971	BOTDP 04389	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 01	SHIP EN	WET BULB 12.4	31 2 3	WIND-SPD 02	TRACE DIR D	5 SQUARE 2
LAT 34 47 N	DAY 13	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 09 W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 C11	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	18.00											
	OBS	00010	17.99											
	OBS	00020	17.99											
	OBS	00030	17.99											
	OBS	00050	17.99											
	OBS	00075	18.01											
	OBS	00100	17.98											
	OBS	00125	16.83											
	OBS	00150	16.32											
	OBS	00200	15.67											
	OBS	00250	15.15											
	OBS	00300	14.47											
	OBS	00400	12.68											
	OBS	00435	12.23											
	OBS	00500	10.80											
	OBS	00600	08.98											
	OBS	00700	07.54											
	OBS	00710	07.35											
	OBS	00718	07.50											
	OBS	00800	06.13											
	OBS	00900	05.54											
	OBS	00955	05.39											
	OBS	01000	05.01											
	OBS	01038	04.76											
	OBS	01060	04.92											
	OBS	01100	04.59											
	OBS	01200	04.34											
	OBS	01300	04.25											
	OBS	01400	04.13											
	OBS	01500	03.97											

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REFID 31 8248	YEAR 1971	BOTDP 04826	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0012	MONTH 01	SHIP EN	WET BULB 14.6	24 4 2	WIND-SPD 19	TRACE DIR D	5 SQUARE 2
LAT 34 44 N	DAY 13	DATA USE 1	BAROMETR 1015.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 03 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 C12	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.04											
	OBS	00010	18.05											
	OBS	00020	18.05											
	OBS	00030	18.05											
	OBS	00050	18.07											
	OBS	00075	18.01											
	OBS	00100	17.95											
	OBS	00125	16.86											
	OBS	00150	16.63											
	OBS	00200	15.88											
	OBS	00250	15.09											
	OBS	00300	14.35											
	OBS	00400	12.83											
	OBS	00500	11.03											
	OBS	00600	08.73											
	OBS	00700	07.00											
	OBS	00800	05.70											
	OBS	00813	06.13											
	OBS	00849	05.63											
	OBS	00900	05.51											
	OBS	00980	05.28											
	OBS	00985	05.40											
	OBS	01000	05.36											
	OBS	01100	04.76											
	OBS	01145	04.54											
	OBS	01200	04.52											
	OBS	01232	04.53											
	OBS	01300	04.32											
	OBS	01400	04.16											
	OBS	01500	04.08											

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TABLE XXX.—Continued

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REFID  31  8248     YEAR 1971     BOTDP 04412     AIR TEMP   17.3     DIR HGT PER      WIND-DIR 29     INST STD RECORDER      TEN SQ 1206
CONSEC      0013    MONTH  01     SHIP EN         WET BULB   14.1      29  4   3       WIND-SPD 23     TRACE DIR         D    5 SQUARE  2
LAT    34 57  N     DAY    14     DATA USE  1     BAROMETR 1017.6     SEA              WIND-FOR        DURATION       00.3   2 SQUARE 48
LONG  048 01  W     HOUR 00.2     AREA     05     CLOUD T/A           CL/TR            WEATHER  X5     ORIG ESI 013           1 SQUARE 48

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH  SND VEL  OXYG      PO4  TOT P   NO2   NO3   SIO3   PH

         00.2   OBS      00000     18.44
                OBS      00010     18.45
                OBS      00020     18.46
                OBS      00030     18.46
                OBS      00050     18.46
                OBS      00075     18.47
                OBS      00100     18.46
                OBS      00125     17.16
                OBS      00150     16.76
                OBS      00200     16.18
                OBS      00250     15.36
                OBS      00300     14.67
                OBS      00400     12.89
                OBS      00500     10.18
                OBS      00600     08.41
                OBS      00700     06.79
                OBS      00732     06.57
                OBS      00760     06.83
                OBS      00800     06.11
                OBS      00835     05.92
                OBS      00843     06.02
                OBS      00900     05.41
                OBS      00905     05.55
                OBS      00920     05.32
                OBS      00931     05.40
                OBS      00985     05.29
                OBS      01000     05.07
                OBS      01035     04.77
                OBS      01090     04.76
                OBS      01100     04.91
                OBS      01120     04.75
                OBS      01200     04.60
                OBS      01250     04.40
                OBS      01300     04.34
                OBS      01400     04.13
                OBS      01500     04.01

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REFID  31  8248     YEAR 1971     BOTDP 02177     AIR TEMP   14.7     DIR HGT PER      WIND-DIR 29     INST STD RECORDER      TEN SQ 1206
CONSEC      0014    MONTH  01     SHIP EN         WET BULB   11.7      30  9   5       WIND-SPD 23     TRACE DIR         D    5 SQUARE  4
LAT    35 07  N     DAY    14     DATA USE  1     BAROMETR 1022.7     SEA              WIND-FOR        DURATION       00.4   2 SQUARE 48
LONG  048 03  W     HOUR 12.2     AREA     05     CLOUD T/A           CL/TR            WEATHER  X1     ORIG ESI 014           1 SQUARE 58

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH  SND VEL  OXYG      PO4  TOT P   NO2   NO3   SIO3   PH

         12.2   OBS      00000     18.01
                OBS      00010     18.01
                OBS      00020     17.98
                OBS      00030     17.97
                OBS      00050     17.95
                OBS      00075     17.92
                OBS      00100     17.88
                OBS      00125     16.96
                OBS      00150     16.63
                OBS      00200     15.95
                OBS      00250     15.26
                OBS      00300     14.55
                OBS      00400     13.29
                OBS      00500     11.45
                OBS      00700     07.12
                OBS      00800     05.77
                OBS      00837     05.39
                OBS      00900     05.23
                OBS      01000     05.19
                OBS      01030     05.16
                OBS      01045     05.01
                OBS      01090     05.04
                OBS      01100     04.90
                OBS      01122     05.07
                OBS      01200     04.83
                OBS      01223     04.67
                OBS      01300     04.67
                OBS      01400     04.38
                OBS      01500     04.07

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TABLE XXX.—Continued

REFID 31 8248	YEAR 1971	BOTDP 04665	AIR TEMP 15.3	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 01	SHIP EN	WET BULB 11.4	27 5 5	WIND-SPD 12	TRACE DIP D	5 SQUARE 2
LAT 34 59 N	DAY 15	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 48
LONG 048 00 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG ESI 015	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.1	OBS	00000	18.34											
	OBS	00010	18.34											
	OBS	00020	18.34											
	OBS	00030	18.34											
	OBS	00050	18.31											
	OBS	00075	18.12											
	OBS	00100	18.02											
	OBS	00125	17.03											
	OBS	00150	16.77											
	OBS	00200	16.14											
	OBS	00250	15.52											
	OBS	00300	14.61											
	OBS	00400	13.02											
	OBS	00500	10.90											
	OBS	00600	08.80											
	OBS	00700	07.27											
	OBS	00800	05.63											
	OBS	00850	05.31											
	OBS	00900	05.11											
	OBS	00938	05.12											
	OBS	01000	04.81											
	OBS	01100	04.59											
	OBS	01200	04.38											
	OBS	01300	04.20											
	OBS	01400	04.17											
	OBS	01425	04.26											
	OBS	01500	04.15											

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REFID 31 8248	YEAR 1971	BOTDP 04898	AIR TEMP 17.7	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 01	SHIP EN	WET BULB 15.4	28 7 5	WIND-SPD 23	TRACE DIP D	5 SQUARE 4
LAT 35 01 N	DAY 17	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 13 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG ESI 016	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	18.12											
	OBS	00010	18.12											
	OBS	00020	18.12											
	OBS	00030	18.12											
	OBS	00050	18.10											
	OBS	00075	18.05											
	OBS	00100	17.50											
	OBS	00125	16.83											
	OBS	00150	16.67											
	OBS	00200	16.16											
	OBS	00250	15.50											
	OBS	00300	14.88											
	OBS	00400	13.11											
	OBS	00440	12.54											
	OBS	00500	11.20											
	OBS	00600	09.13											
	OBS	00635	08.75											
	OBS	00700	07.02											
	OBS	00800	06.14											
	OBS	00855	05.89											
	OBS	00900	05.32											
	OBS	00912	05.42											
	OBS	00940	05.45											
	OBS	01000	05.03											
	OBS	01045	04.77											
	OBS	01100	04.65											
	OBS	01200	04.48											
	OBS	01300	04.37											
	OBS	01400	04.21											
	OBS	01500	04.09											

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TABLE XXX.—Continued

REFID 31 8248	YEAR 1971	BOTDP 04878	AIR TEMP 15.8	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0017	MONTH 01	SHIP EN	WET BULB 13.9	27 6 6	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 34 48 N	DAY 18	DATA USE 1	BAROMETR 1009.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 37 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 017	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
00.0	OBS	00000	18.01											
	OBS	00010	18.00											
	OBS	00020	18.00											
	OBS	00030	17.99											
	OBS	00050	17.99											
	OBS	00075	17.98											
	OBS	00100	17.98											
	OBS	00125	17.69											
	OBS	00150	16.92											
	OBS	00200	16.30											
	OBS	00250	15.60											
	OBS	00300	14.57											
	OBS	00400	12.71											
	OBS	00500	10.55											
	OBS	00600	08.69											
	OBS	00670	07.00											
	OBS	00700	06.83											
	OBS	00800	05.84											
	OBS	00900	05.22											
	OBS	00920	05.45											
	OBS	01000	04.92											
	OBS	01025	05.24											
	OBS	01060	04.79											
	OBS	01100	04.68											
	OBS	01200	04.64											
	OBS	01250	04.50											
	OBS	01300	04.80											
	OBS	01325	04.21											
	OBS	01335	04.32											
	OBS	01360	04.10											
	OBS	01400	04.27											
	OBS	01420	04.00											
	OBS	01500	03.96											

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REFID 31 8248	YEAR 1971	BOTDP 04770	AIR TEMP 16.3	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0018	MONTH 01	SHIP EN	WET BULB 13.6	28 5 4	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 34 46 N	DAY 18	DATA USE 1	BAROMETR 1015.6	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 20 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E51 018	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
12.0	OBS	00000	17.91											
	OBS	00010	17.91											
	OBS	00020	17.91											
	OBS	00030	17.91											
	OBS	00050	17.91											
	OBS	00075	17.91											
	OBS	00100	17.91											
	OBS	00125	17.06											
	OBS	00150	16.93											
	OBS	00200	16.43											
	OBS	00250	15.69											
	OBS	00300	15.02											
	OBS	00400	13.63											
	OBS	00500	11.77											
	OBS	00600	09.54											
	OBS	00700	07.57											
	OBS	00790	06.19											
	OBS	00800	06.22											
	OBS	00805	06.45											
	OBS	00900	05.32											
	OBS	00915	05.27											
	OBS	00968	05.52											
	OBS	01000	05.42											
	OBS	01070	04.77											
	OBS	01100	04.84											
	OBS	01150	04.53											
	OBS	01200	04.47											
	OBS	01300	04.44											
	OBS	01400	04.28											
	OBS	01500	04.11											

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TABLE XXXI.—Observed and interpolated oceanographic data for stations taken by USCGC INGHAM at Ocean Station ECHO, 22 January 1971 - 12 February 1971, prepared from NODC listing No. 31 - 1806.

REFID 31 1806	YEAR 1971	BOTDP 04252	AIR TEMP 16.6	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 01	SHIP IN	WET BULB 12.3	26 5 4	WIND-SPD 12	TRACE DIR	5 SQUARE 2
LAT 34 32.0N	DAY 25	DATA USE 1	BAROMETR 1026.3	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 53.0W	HOUR 13.4	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	ORIG E52 001	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	17.89	36.382	26.37		1517.8	05.32						
13.4	OBS	00024	17.86	36.382	26.38		1518.1	05.42						
13.4	OBS	00048	17.86	36.383	26.38		1518.5	05.29						
13.4	OBS	00072	17.61	36.384	26.40		1518.8	05.23						
13.4	OBS	00097	17.81	36.386	26.40		1519.2	05.27						
13.4	OBS	00145	17.68	36.338	26.39		1519.5	05.20						
13.4	OBS	T00193	16.64	36.343	26.65		1517.3	04.78						
13.4	OBS	00288	14.90	36.012	26.79		1513.0	04.43						
13.4	OBS	T00382	13.96	35.864	26.88		1511.4	04.61						
13.4	OBS	00477	12.19	35.577	27.02		1506.7	03.80						
13.4	OBS	00571	10.23	35.346	27.20		1501.0	03.69						
13.4	OBS	T00761	07.17	35.089	27.49		1492.4	04.24						
13.4	OBS	T00954	05.19	34.942	27.63		1487.5							
13.4	OBS	T01446	04.13	34.995	27.79		1491.4	05.96						

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REFID 31 1806	YEAR 1971	BOTDP 04803	AIR TEMP 18.1	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 01	SHIP IN	WET BULB 16.8	31 3 4	WIND-SPD 14	TRACE DIR	5 SQUARE 2
LAT 34 47.0N	DAY 27	DATA USE 1	BAROMETR 1022.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 30.0W	HOUR 14.8	AREA 05	CLOUD T/A 3/7	CL/TR	WEATHER X1	ORIG E52 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.8	OBS	00000	17.84	36.387	26.39		1517.7							
14.8	OBS	00021	17.78	36.386	26.40		1517.9	05.30						
14.8	OBS	00043	17.75	36.381	26.41		1518.1	05.24						
14.8	OBS	00064	17.73	36.385	26.42		1518.4	05.26						
14.8	OBS	00087	17.70	36.398	26.43		1518.7	05.24						
14.8	OBS	00129	17.71	36.401	26.43		1519.4	05.23						
14.8	OBS	T00171	17.25	36.360	26.51		1518.7	04.97						
14.8	OBS	00256	15.21	36.064	26.76		1513.6	04.53						
14.8	OBS	T00338	13.87	35.840	26.88		1510.3	04.50						
14.8	OBS	00420	12.67	35.659	26.99		1507.5	04.21						
14.8	OBS	00501	11.75	35.526	27.06		1505.5	03.97						
14.8	OBS	00664		35.215				03.72						
14.8	OBS	00827	06.38	35.051	27.56		1490.3	04.40						
14.8	OBS	T01239	04.60	35.037	27.77		1489.9	05.69						

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REFID 31 1806	YEAR 1971	BOTDP 03109	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 01	SHIP IN	WET BULB 16.0	29 9 6	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 35 27.0N	DAY 30	DATA USE 1	BAROMETR 1028.6	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 54.0W	HOUR 12.9	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E52 003	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	17.72	36.365	26.40		1517.3							
12.9	OBS	00024	17.70	36.364	26.41		1517.7							
12.9	OBS	00048	17.71	36.392	26.43		1518.1							
12.9	OBS	00071	17.68	36.394	26.44		1518.4							
12.9	OBS	00096	17.70	36.393	26.43		1518.9							
12.9	OBS	00142	17.66	36.388	26.44		1519.5							
12.9	OBS	T00190	16.06	36.210	26.66		1513.3							
12.9	OBS	00285	14.31	35.898	26.83		1511.0							
12.9	OBS	T00378	12.83	35.672	26.97		1507.3							
12.9	OBS	00471	11.38	35.482	27.10		1503.7							
12.9	OBS	00562	09.59	35.281	27.26		1498.5							
12.9	OBS	T00746	06.50	35.047	27.54		1489.4							
12.9	OBS	T00932	05.47	35.070	27.70		1486.4							
12.9	OBS	T01419	04.41	35.008	27.77		1492.1							

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TABLE XXXI.—Continued

REFID 31 1806 YEAR 1971 BOTDP 03517 AIR TEMP 18.9 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 01 SHIP IN WET BULB 17.0 28 4 5 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 25.0N DAY 31 DATA USE 1 BAROMETR 1031.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 52.0W HOUR 11.6 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E52 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.93	36.285	26.29		1517.8	05.62						
11.6	OBS	00027	17.90	36.297	26.31		1518.2	05.33						
11.6	OBS	00053	17.89	36.317	26.32		1518.6							
11.6	OBS	00080	17.94	36.322	26.32		1519.2	05.26						
11.6	OBS	00100	17.93					05.24						
11.6	OBS	00159	16.65	36.266	26.59		1516.0							
11.6	OBS	T00212	15.86	36.121	26.66		1514.9	04.57						
11.6	OBS	00316	14.42	35.877	26.79		1511.8							
11.6	OBS	T00420	12.73	35.603	26.93		1507.6	04.19						
11.6	OBS	00524	11.04					03.70						
11.6	OBS	00627	08.17	35.083	27.33		1494.0	03.81						
11.6	OBS	T00832	06.01	35.050	27.61		1488.9	04.90						
11.6	OBS	T01036	04.73	34.982	27.71		1487.0	05.06						
11.6	OBS	T01554	03.99	34.968	27.78		1492.6	05.99						

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REFID 31 1806 YEAR 1971 BOTDP 04157 AIR TEMP 18.3 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 02 SHIP IN WET BULB 17.3 29 3 4 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 32.0N DAY 02 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 11.0W HOUR 12.0 AREA 05 CLOUD T/A 6/1 CL/TR WEATHER X1 ORIG E52 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.91	36.364	26.36		1517.9	05.51						
12.0	OBS	00027	17.89	36.355	26.35		1518.2	05.27						
12.0	OBS	00053	17.89	36.357	26.36		1518.7	05.45						
12.0	OBS	00080	17.86	36.358	26.36		1519.0	05.40						
12.0	OBS	00106	17.86	36.367	26.37		1519.5	05.17						
12.0	OBS	00161	16.88	36.358	26.60		1517.5							
12.0	OBS	T00214	16.27	36.269	26.68		1516.4	04.66						
12.0	OBS	00320	14.76	35.978	26.80		1513.1	04.29						
12.0	OBS	T00426	13.49	35.770	26.91		1510.4	04.40						
12.0	OBS	00533	11.66	35.511	27.07		1505.7	03.80						
12.0	OBS	00640	09.22	35.212	27.27		1498.3	03.45						
12.0	OBS	T00854	06.48	35.160	27.64		1491.3							
12.0	OBS	T01070	04.80	35.017	27.73		1487.9	05.55						
12.0	OBS	T01616	03.96	34.995	27.81		1493.5	05.98						

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REFID 31 1806 YEAR 1971 BOTDP 04731 AIR TEMP 14.4 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 02 SHIP IN WET BULB 08.5 01 5 4 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 53.0N DAY 07 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 2 SQUARE 49
LONG 048 04.0W HOUR 11.8 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E52 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	17.20	36.332	26.51		1515.6	05.57						
11.8	OBS	00026	17.20	36.324	26.50		1516.2	05.19						
11.8	OBS	00053	17.20	36.325	26.50		1516.6	05.20						
11.8	OBS	00079	17.21	36.318	26.49		1517.1	05.33						
11.8	OBS	00105	17.23	36.321	26.49		1517.5	05.20						
11.8	OBS	00157	17.18	36.397	26.56		1516.3	04.85						
11.8	OBS	T00209	16.50	36.308	26.65		1517.1	04.75						
11.8	OBS	00312	14.35	35.906	26.83		1511.5	03.96						
11.8	OBS	T00414	12.88	35.677	26.96		1506.1	04.23						
11.8	OBS	00517	11.06	35.433	27.12		1503.2	03.73						
11.8	OBS	00618	08.84	35.191	27.31		1496.5	03.64						
11.8	OBS	T00821	06.65	35.165	27.62		1491.4	04.04						
11.8	OBS	T01024	05.24	35.081	27.73		1489.0	05.56						
11.8	OBS	T01532	04.01	34.997	27.80		1492.3	06.01						
14.4	OBS	T02058	03.51	34.999	27.86		1499.1	05.96						
14.4	OBS	T02573	03.11	34.960	27.86		1506.2	05.78						
14.4	OBS	03093	02.70	34.940	27.89		1513.4	05.90						
14.4	OBS	T03608	01.88	34.916	27.94		1518.9	05.78						

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TABLE XXXI.—Continued

REFID 31 1806 YEAR 1971 BOTDP 04846 AIR TEMP 15.7 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 02 SHIP IN WET BULB 12.1 05 2 3 WIND-SPD 06 TRACE DIR 5 SQUARE 2
LAT 34 47.0N DAY 08 DATA USE 1 BAROMETR 1032.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 046 08.0W HOUR 11.8 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E52 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	17.21	36.342	26.51		1515.8	05.47						
11.8	OBS	00025	17.21	36.342	26.51		1516.2	05.33						
11.8	OBS	00051	17.21	36.342	26.51		1516.6	05.37						
11.8	OBS	00076	17.19	36.338	26.51		1517.0	05.21						
11.8	OBS	00102	17.18	36.341	26.52		1517.4	05.38						
11.8	OBS	00152	17.26	36.351	26.51		1518.4	05.07						
11.8	OBS	T00203	16.60	36.311	26.63		1517.3	04.94						
11.8	OBS	00305	15.28	36.062	26.75		1514.6	04.34						
11.8	OBS	T00406	13.17	35.713	26.93		1509.0	03.83						
11.8	OBS	00508	10.83	35.399	27.14		1502.2	03.60						
11.8	OBS	00610	08.71	35.162	27.31		1495.8	03.57						
11.8	OBS	T00813	06.60	35.156	27.62		1491.1	04.02						
11.8	OBS	T01018	05.14	35.055	27.72		1488.5	05.34						
11.8	OBS	T01528	03.58	34.991	27.80		1492.1	05.93						

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REFID 31 1806 YEAR 1971 BOTDP 04834 AIR TEMP 16.9 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 02 SHIP IN WET BULB 14.5 29 4 4 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 47.0N DAY 09 DATA USE 1 BAROMETR 1033.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14.0W HOUR 11.9 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E52 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.41	36.354	26.47		1516.4	05.31						
11.9	OBS	00023	17.39	36.353	26.48		1516.7	05.25						
11.9	OBS	00045	17.39	36.347	26.47		1517.1	05.31						
11.9	OBS	00068	17.30	36.307	26.46		1517.1	05.04						
11.9	OBS	00090	17.29	36.323	26.48		1517.5	05.09						
11.9	OBS	00136	17.25	36.377	26.53		1518.2	04.91						
11.9	OBS	00180	16.66	36.316	26.62		1517.1	04.65						
11.9	OBS	00269	15.48	36.103	26.73		1514.7	03.90Q						
11.9	OBS	T00358	14.02	35.858	26.86		1511.2	04.43Q						
11.9	OBS	00448	12.25	35.586	27.01		1506.4	03.69						
11.9	OBS	00538	10.45	35.348	27.16		1501.3	03.57						
11.9	OBS	T00720	06.76	35.045	27.51		1490.0	04.18						
11.9	OBS	00912	05.63	35.116	27.71		1488.8	04.98						
11.9	OBS	T01424	04.12	34.998	27.79		1491.0	05.73						

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REFID 31 1806 YEAR 1971 BOTDP 02909 AIR TEMP 17.3 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 02 SHIP IN WET BULB 14.3 11 5 5 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 49.6N DAY 10 DATA USE 1 BAROMETR 1032.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 22.0W HOUR 12.1 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E52 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.56	36.386	26.46		1516.9							
12.1	OBS	00027	17.59	36.384	26.45		1517.4	05.19						
12.1	OBS	00054	17.54	36.346	26.43		1517.7							
12.1	OBS	00082	17.40	36.346	26.47		1517.7	05.16						
12.1	OBS	00110	17.36	36.371	26.50		1518.1							
12.1	OBS	00165	16.92	36.266	26.52		1517.5	04.63						
12.1	OBS	00220	16.34	36.216	26.62		1516.6	04.60						
12.1	OBS	00331	14.67	35.961	26.80		1512.9	04.40						
12.1	OBS	T00440	12.84	35.672	26.96		1508.4	04.17						
12.1	OBS	00550	10.47	35.365	27.17		1501.6	03.65						
12.1	OBS	00660	08.24	35.144	27.37		1494.9	03.80						
12.1	OBS	T00881	05.92	35.123	27.66		1489.4	05.01						
12.1	OBS	T01110	04.73	35.037	27.76		1488.3	05.62						
12.1	OBS	T01713	03.83	34.998	27.82		1494.6	05.97						

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REFID 31 1806 YEAR 1971 BOTDP 04442 AIR TEMP 17.6 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 02 SHIP IN WET BULB 16.0 11 4 4 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 58.0N DAY 11 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 18.0W HOUR 10.1 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E52 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
10.1	OBS	00000	17.57	36.385	26.46		1516.9	05.20						
10.1	OBS	00028	17.54	36.367	26.46		1517.3	05.26						
10.1	OBS	00055	17.55	36.379	26.46		1517.7	05.35						
10.1	OBS	00082	17.56	36.379	26.45		1518.2	05.36						
10.1	OBS	00110	17.56	36.384	26.46		1516.7	05.28						
10.1	OBS	00164	16.72	36.231	26.54		1516.9	04.73						
10.1	OBS	T00218	16.06	36.200	26.67		1515.7	04.74						
10.1	OBS	00327	14.45	35.926	26.82		1512.1	04.34						
10.1	OBS	T00435	12.21					03.71						
10.1	OBS	00544	09.86	35.283	27.22		1499.2	03.57						
10.1	OBS	00653	07.87	35.146	27.43		1493.4	03.94						
10.1	OBS	T00872	05.84					05.12						
10.1	OBS	T01100	05.00	35.080	27.76		1489.3	05.60						
10.1	OBS	T01708	03.86	34.978	27.80		1494.7	06.04						

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TABLE XXXII.–Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station ECHO, 12 February 1971 - 7 March 1971, prepared from NODC listing No. 31 - 8256.

REFID 31 8256 YEAR 1971 BOTDP 04572 AIR TEMP 18.1 DIR MGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0001 MONTH 02 SHIP DG WET BULB 17.3 13 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 16 DATA USE 1 BAROMETR 1023.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 54 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E53 001 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.49	36.35	26.45		1516.6							
	OBS	00010	17.49	36.35	26.45		1516.8							
	OBS	00020	17.46	36.35	26.46		1516.9							
	OBS	00030	17.35	36.36	26.49		1516.7							
	OBS	00050	17.33	36.36	26.50		1517.0							
	OBS	00075	17.32	36.37	26.51		1517.4							
	OBS	00100	17.31	36.38	26.52		1517.8							
	OBS	00125	17.28	36.38	26.52		1518.1							
	OBS	00150	17.13	36.34	26.53		1518.0							
	OBS	00175	16.68	36.30	26.61		1517.0							
	OBS	00200	16.39	36.25	26.64		1516.5							
	OBS	00250	15.63	36.11	26.70		1514.8							
	OBS	00300	14.82	35.97	26.78		1512.9							
	OBS	00400	12.66	35.66	26.99		1507.1							
	OBS	00500	10.89	35.43	27.15		1502.3							
	OBS	00600	09.55	35.27	27.26		1498.9							
	OBS	00700	07.68	35.11	27.43		1493.4							
	OBS	00730	07.23	35.08	27.47		1492.1							
	OBS	00760	06.79	35.11	27.56		1490.9							
	OBS	00773	06.96	35.19	27.59		1491.9							
	OBS	00800	06.78	35.16	27.60		1491.6							
	OBS	00810	06.63	35.17	27.62		1491.2							
	OBS	00860	06.48	35.18	27.65		1491.4							
	OBS	00868	06.31	35.18	27.68		1490.9							
	OBS	00900	06.19	35.18	27.69		1490.9							
	OBS	00918	06.16	35.18	27.69		1491.1							
	OBS	00952	05.99	35.18	27.72		1491.0							
	OBS	00972	05.55	35.12	27.73		1489.5							
	OBS	01000	05.25	35.07	27.72		1488.6							
	OBS	01050	05.00	35.07	27.75		1488.5							
	OBS	01100	04.95	35.07	27.76		1489.1							
	OBS	01200	04.77	35.08	27.79		1490.0							
	OBS	01300	04.32	35.03	27.80		1489.8							
	OBS	01400	04.19	35.02	27.80		1490.9							
	OBS	01500	04.02	35.00	27.81		1491.8							

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REFID 31 8256 YEAR 1971 BOTDP 04498 AIR TEMP 19.0 DIR MGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0002 MONTH 02 SHIP DG WET BULB 17.8 21 3 2 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 16 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 00.8 2 SQUARE 46
LONG 047 56 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E53 002 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.72	36.38	26.42		1517.3							
	OBS	00010	17.71	36.38	26.42		1517.5							
	OBS	00020	17.68	36.38	26.42		1517.5							
	OBS	00030	17.67	36.37	26.42		1517.7							
	OBS	00050	17.50	36.36	26.45		1517.5							
	OBS	00075	17.41	36.35	26.47		1517.6							
	OBS	00100	17.40	36.35	26.47		1518.0							
	OBS	00125	17.39	36.36	26.48		1518.4							
	OBS	00150	17.41	36.38	26.49		1518.9							
	OBS	00200	17.30	36.38	26.52		1519.4							
	OBS	00250	16.48	36.27	26.63		1517.6							
	OBS	00300	15.83	36.06	26.62		1516.2							
	OBS	00400	14.22	35.88	26.84		1512.5							
	OBS	00500	12.31	35.56	26.98		1507.4							
	OBS	00600	10.20	35.29	27.16		1501.3							
	OBS	00700	07.82	35.12	27.42		1493.9							
	OBS	00780	06.34	35.00	27.53		1489.3							
	OBS	00800	06.86	35.20	27.62		1491.9							
	OBS	00900	06.27	35.18	27.68		1491.2							
	OBS	01000	05.85	35.15	27.71		1491.2							
	OBS	01100	05.16	35.09	27.75		1490.0							
	OBS	01200	04.75	35.06	27.77		1489.9							
	OBS	01300	04.47	35.04	27.79		1490.4							
	OBS	01400	04.25	35.02	27.80		1491.2							
	OBS	01500	04.13	35.01	27.80		1492.3							
	OBS	01750	03.81	34.99	27.82		1495.2							
	OBS	02000	03.65	34.98	27.83		1498.7							
	OBS	02500	03.29	34.97	27.86		1505.7							
	OBS	03000	02.93	34.94	27.87		1512.8							

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TABLE XXXII.—Continued

REFID 31 8256	YEAR 1971	BOTDP 03200	AIR TEMP 18.2	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 02	SHIP DG	WET BULB 17.6	15 2 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 35 08 N	DAY 17	DATA USE 1	BAROMETR 1021.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 047 51 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E53 003	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.74	36.37	26.40		1517.4							
	OBS	00010	17.73	36.37	26.40		1517.5							
	OBS	00020	17.73	36.38	26.41		1517.7							
	OBS	00030	17.68	36.37	26.42		1517.7							
	OBS	00050	17.50	36.35	26.45		1517.5							
	OBS	00075	17.41	36.34	26.46		1517.6							
	OBS	00100	17.43	36.37	26.48		1518.1							
	OBS	00125	17.37	36.37	26.49		1518.3							
	OBS	00150	17.33	36.36	26.50		1518.6							
	OBS	00200	17.01	36.36	26.57		1518.5							
	OBS	00250	16.36	36.26	26.65		1517.2							
	OBS	00300	15.72	36.15	26.71		1516.0							
	OBS	00400	13.97	35.83	26.85		1511.7							
	OBS	00500	12.31	35.61	27.02		1507.5							
	OBS	00600	10.22	35.32	27.18		1501.4							
	OBS	00700	07.94	35.13	27.40		1494.4							
	OBS	00800	07.19	35.18	27.55		1493.2							
	OBS	00900	06.08	35.11	27.65		1490.4							
	OBS	00970	05.75	35.08	27.67		1490.2							
	OBS	01000	05.35	35.08	27.72		1489.1							
	OBS	01050	05.25	35.06	27.71		1489.5							
	OBS	01100	04.93	35.06	27.75		1489.0							
	OBS	01200	04.66	35.04	27.77		1489.5							
	OBS	01300	04.34	35.04	27.80		1489.9							
	OBS	01400	04.19	35.01	27.80		1490.9							
	OBS	01500	04.03	35.01	27.81		1491.9							

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REFID 31 8256	YEAR 1971	BOTDP 04755	AIR TEMP 16.8	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 02	SHIP DG	WET BULB 17.5	18 3 3	WIND-SPD 26	TRACE DIR D	5 SQUARE 2
LAT 34 54 N	DAY 17	DATA USE 1	BAROMETR 1016.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 54 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E53 004	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.76	36.37	26.40		1517.4							
	OBS	00010	17.72	36.37	26.41		1517.5							
	OBS	00020	17.72	36.37	26.41		1517.7							
	OBS	00030	17.72	36.37	26.41		1517.8							
	OBS	00050	17.72	36.38	26.42		1518.2							
	OBS	00075	17.66	36.39	26.44		1518.4							
	OBS	00100	17.55	36.39	26.46		1518.5							
	OBS	00125	17.55	36.39	26.46		1518.9							
	OBS	00150	17.55	36.40	26.47		1519.3							
	OBS	00200	16.75	36.33	26.61		1517.7							
	OBS	00250	16.04	36.21	26.69		1516.2							
	OBS	00300	15.61	36.07	26.68		1515.5							
	OBS	00400	14.11	35.87	26.85		1512.2							
	OBS	00500	12.40	35.60	27.00		1507.8							
	OBS	00600	10.05	35.32	27.21		1500.8							
	OBS	00700	07.72	35.08	27.40		1493.5							
	OBS	00720	07.10	35.07	27.48		1491.4							
	OBS	00740	07.44	35.18	27.52		1493.2							
	OBS	00800	06.85	35.19	27.61		1491.9							
	OBS	00900	06.26	35.18	27.68		1491.2							
	OBS	01000	05.60	35.13	27.73		1490.1							
	OBS	01100	05.13	35.11	27.77		1489.9							
	OBS	01200	04.68	35.06	27.78		1489.6							
	OBS	01300	04.35	35.03	27.79		1489.9							
	OBS	01400	04.15	35.01	27.80		1490.7							
	OBS	01500	03.99	35.00	27.81		1491.7							
	OBS	01750	03.86	35.01	27.83		1495.4							
	OBS	02000	03.70	35.00	27.84		1499.0							
	OBS	02500	03.26	34.97	27.86		1505.6							
	OBS	03000	03.00	34.95	27.87		1513.1							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BOTDP 04755 AIR TEMP 16.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN. SQ 1206
CONSEC 0005 MONTH 02 SHIP DG WET BULB 14.6 22 5 2 WIND-SPD 23 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 18 DATA USE 1 BAROMETR 1012.4 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 00 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E53 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.2	OBS	00000	17.66	36.35	26.41		1517.1							
	OBS	00010	17.66	36.35	26.41		1517.3							
	OBS	00020	17.66	36.36	26.41		1517.5							
	OBS	00030	17.66	36.36	26.41		1517.6							
	OBS	00050	17.66	36.36	26.41		1518.0							
	OBS	00075	17.55	36.38	26.46		1518.1							
	OBS	00100	17.55	36.39	26.46		1518.5							
	OBS	00125	17.54	36.38	26.46		1518.9							
	OBS	00150	17.53	36.39	26.47		1519.3							
	OBS	00165	17.53	36.39	26.47		1519.5							
	OBS	00200	16.63	36.29	26.61		1517.3							
	OBS	00250	15.89	36.18	26.70		1515.7							
	OBS	00300	15.31	36.07	26.74		1514.6							
	OBS	00400	13.85	35.80	26.85		1511.2							
	OBS	00500	11.87	35.54	27.05		1505.9							
	OBS	00600	09.84	35.28	27.22		1500.0							
	OBS	00700	08.01	35.11	27.38		1494.6							
	OBS	00800	06.20	35.02	27.56		1489.1							
	OBS	00820	06.01	35.06	27.62		1488.7							
	OBS	00838	06.00	35.10	27.65		1488.0							
	OBS	00860	06.06	35.11	27.65		1489.6							
	OBS	00900	05.97	35.14	27.69		1490.0							
	OBS	01000	05.31	35.11	27.75		1488.9							
	OBS	01100	04.95	35.07	27.76		1489.1							
	OBS	01200	04.64	35.04	27.77		1489.4							
	OBS	01300	04.40	35.02	27.78		1490.1							
	OBS	01400	04.17	35.00	27.79		1490.8							
	OBS	01500	04.02	34.99	27.80		1491.3							

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REFID 31 8256 YEAR 1971 BOTDP 04938 AIR TEMP 13.8 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 02 SHIP DG WET BULB 08.6 27 2 3 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 19 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 57 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E53 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.1	OBS	00000	17.55	36.37	26.45		1516.8							
	OBS	00010	17.55	36.37	26.45		1517.0							
	OBS	00020	17.56	36.37	26.45		1517.2							
	OBS	00030	17.56	36.37	26.45		1517.3							
	OBS	00050	17.56	36.37	26.45		1517.7							
	OBS	00075	17.57	36.38	26.45		1518.1							
	OBS	00100	17.55	36.38	26.46		1518.5							
	OBS	00125	17.44	36.35	26.46		1518.5							
	OBS	00150	17.39	36.38	26.50		1518.8							
	OBS	00200	16.51	36.30	26.65		1516.9							
	OBS	00250	16.06	36.18	26.66		1516.2							
	OBS	00300	15.38	36.10	26.75		1514.9							
	OBS	00400	13.81	35.83	26.89		1511.1							
	OBS	00500	12.06	35.55	27.02		1506.6							
	OBS	00600	09.65	35.26	27.23		1499.3							
	OBS	00700	07.95	35.17	27.43		1494.5							
	OBS	00800	06.35	35.04	27.56		1489.7							
	OBS	00840	06.01	35.11	27.66		1489.1							
	OBS	00860	06.14	35.13	27.66		1490.0							
	OBS	00880	06.11	35.16	27.69		1490.2							
	OBS	00900	05.98	35.14	27.69		1490.0							
	OBS	01000	05.32	35.10	27.74		1489.0							
	OBS	01100	04.78	35.06	27.77		1488.4							
	OBS	01200	04.51	35.04	27.78		1488.9							
	OBS	01300	04.26	35.01	27.79		1489.5							
	OBS	01400	04.10	34.99	27.79		1490.5							
	OBS	01500	03.95	34.98	27.80		1491.5							

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TABLE XXXII.—Continued

REFID 31 8256	YEAR 1971	BOTDP 03840	AIR TEMP 14.0	DIR HGT PER		WIND-DIR 25	INST STD RECORDER		TEN SQ 1206		
CONSEC 0007	MONTH 02	SHIP DG	WET BULB 11.2	25 2 2		WIND-SPD 24	TRACE DIR	D	5 SQUARE 4		
LAT 35 07 N	DAY 20	DATA USE 1	BAROMETR 1012.1	SEA		WIND-FOR	DURATION	00.3	2 SQUARE 48		
LONG 048 02 W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR		WEATHER X2	ORIG E53 007		1 SQUARE 58		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	17.49	36.36	26.46		1516.6							
	OBS	00010	17.49	36.36	26.46		1516.8							
	OBS	00020	17.49	36.37	26.46		1517.0							
	OBS	00030	17.50	36.37	26.46		1517.2							
	OBS	00050	17.51	36.37	26.46		1517.5							
	OBS	00075	17.51	36.37	26.46		1517.9							
	OBS	00100	17.51	36.38	26.47		1518.4							
	OBS	00125	17.50	36.38	26.47		1518.7							
	OBS	00150	17.49	36.38	26.47		1519.1							
	OBS	00200	16.59	36.27	26.60		1517.1							
	OBS	00250	16.24	36.25	26.67		1516.9							
	OBS	00300	15.41	36.08	26.73		1514.9							
	OBS	00400	14.10	35.90	26.88		1512.2							
	OBS	00500	11.96	35.55	27.04		1506.2							
	OBS	00600	09.98	35.28	27.19		1500.5							
	OBS	00700	08.17	35.17	27.40		1495.3							
	OBS	00800	06.84	35.11	27.55		1491.7							
	OBS	00900	06.37	35.18	27.67		1491.6							
	OBS	01000	05.63	35.12	27.72		1490.3							
	OBS	01100	04.95	35.09	27.77		1489.1							
	OBS	01200	04.90	35.11	27.80		1490.6							
	OBS	01300	04.67	35.08	27.80		1491.3							
	OBS	01400	04.26	35.01	27.79		1491.2							
	OBS	01500	04.08	34.99	27.79		1492.1							

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REFID 31 8256	YEAR 1971	BOTDP 04938	AIR TEMP 15.0	DIR HGT PER		WIND-DIR 25	INST STD RECORDER		TEN SQ 1206		
CONSEC 0008	MONTH 02	SHIP DG	WET BULB 11.2	02 3 2		WIND-SPD 15	TRACE DIR	D	5 SQUARE 2		
LAT 34 54 N	DAY 22	DATA USE 1	BAROMETR 1016.2	SEA		WIND-FOR	DURATION	00.2	2 SQUARE 46		
LONG 047 57 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR		WEATHER X1	ORIG E53 008		1 SQUARE 47		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.29	36.34	26.49		1516.0							
	OBS	00010	17.29	36.34	26.49		1516.2							
	OBS	00020	17.29	36.34	26.49		1516.4							
	OBS	00030	17.30	36.34	26.49		1516.5							
	OBS	00050	17.30	36.35	26.49		1516.9							
	OBS	00075	17.30	36.35	26.49		1517.3							
	OBS	00100	17.31	36.35	26.49		1517.7							
	OBS	00125	17.31	36.35	26.49		1518.1							
	OBS	00150	17.31	36.36	26.50		1518.6							
	OBS	00200	16.64	36.28	26.60		1517.3							
	OBS	00250	16.04	36.19	26.67		1516.2							
	OBS	00300	15.33	36.05	26.72		1514.6							
	OBS	00400	14.02	35.84	26.85		1511.8							
	OBS	00500	12.13	35.56	27.02		1506.8							
	OBS	00600	10.45	35.36	27.17		1502.3							
	OBS	00700	08.52	35.16	27.34		1496.6							
	OBS	00800	06.47	35.04	27.54		1490.2							
	OBS	00900	06.00	35.11	27.66		1490.1							
	OBS	01000	05.40	35.07	27.70		1489.3							
	OBS	01100	05.01	35.06	27.74		1489.3							
	OBS	01200	04.57	35.01	27.75		1488.1							
	OBS	01300	04.22	34.98	27.77		1489.3							
	OBS	01400	04.06	34.96	27.77		1490.3							
	OBS	01500	03.94	34.95	27.77		1491.4							

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TABLE XXXII.—Continued

REFID 31 8256	YEAR 1971	BOTDP 04572	AIR TEMP 15.5	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 03	SHIP DG	WET BULB 10.0	06 2 3	WIND-SPD 00	TRACE DIR D	5 SQUARE 2
LAT 34 53 N	DAY 01	DATA USE 1	BAROMETR 1025.2	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 57 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E53 009	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	17.09	36.35	26.55		1515.4							
	OBS	00010	17.09	36.35	26.55		1515.6							
	OBS	00020	17.09	36.35	26.55		1515.8							
	OBS	00030	17.10	36.35	26.54		1516.0							
	OBS	00050	17.10	36.35	26.54		1516.3							
	OBS	00075	17.11	36.35	26.54		1516.7							
	OBS	00100	17.11	36.35	26.54		1517.1							
	OBS	00125	17.11	36.36	26.55		1517.6							
	OBS	00150	17.11	36.36	26.55		1518.0							
	OBS	00200	16.83	36.29	26.56		1517.9							
	OBS	00250	16.06	36.20	26.67		1516.3							
	OBS	00300	15.51	36.13	26.75		1515.3							
	OBS	00400	13.83	35.84	26.89		1511.2							
	OBS	00500	12.36	35.63	27.03		1507.7							
	OBS	00600	10.23	35.32	27.18		1501.5							
	OBS	00700	08.49	35.19	27.37		1496.5							
	OBS	00800	07.29	35.16	27.52		1493.6							
	OBS	00900	05.80	35.01	27.61		1489.1							
	OBS	00940	05.52	35.04	27.67		1488.7							
	OBS	00975	05.63	35.07	27.68		1489.8							
	OBS	01000	05.55	35.07	27.69		1489.9							
	OBS	01100	05.06	35.04	27.72		1489.5							
	OBS	01200	04.69	35.02	27.75		1489.6							
	OBS	01300	04.34	34.98	27.76		1489.8							
	OBS	01400	04.17	34.97	27.77		1490.8							
	OBS	01500	03.85	34.94	27.78		1491.1							
	OBS	01750	03.77	34.96	27.80		1495.0							
	OBS	02000	03.58	34.96	27.82		1498.4							
	OBS	02500	03.17	34.95	27.85		1505.2							
	OBS	03000	02.80	34.93	27.87		1512.2							

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REFID 31 8256	YEAR 1971	BOTDP 04389	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 03	SHIP DG	WET BULB 11.6	05 2 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 01	DATA USE 1	BAROMETR 1022.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 43 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E53 010	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	OBS	00000	17.19	36.37	26.54		1515.8							
	OBS	00010	17.18	36.37	26.54		1515.9							
	OBS	00020	17.18	36.38	26.55		1516.1							
	OBS	00030	17.18	36.38	26.55		1516.2							
	OBS	00050	17.18	36.38	26.55		1516.6							
	OBS	00075	17.17	36.38	26.55		1516.9							
	OBS	00100	17.11	36.36	26.55		1517.2							
	OBS	00125	17.07	36.37	26.57		1517.5							
	OBS	00150	17.07	36.36	26.56		1517.9							
	OBS	00190	16.89	36.32	26.57		1517.9							
	OBS	00200	16.51	36.30	26.65		1516.9							
	OBS	00250	15.84	36.20	26.72		1515.6							
	OBS	00300	15.36	36.10	26.76		1514.8							
	OBS	00400	14.18	35.89	26.85		1512.4							
	OBS	00500	12.69	35.65	26.98		1508.8							
	OBS	00600	10.39	35.36	27.18		1502.1							
	OBS	00700	08.03	35.13	27.39		1494.7							
	OBS	00800	06.32	35.05	27.57		1489.6							
	OBS	00840	05.99	35.08	27.64		1489.0							
	OBS	00900	06.36	35.19	27.68		1491.6							
	OBS	01000	05.78	35.17	27.74		1490.9							
	OBS	01100	05.20	35.12	27.77		1490.2							
	OBS	01200	04.72	35.06	27.78		1489.8							
	OBS	01300	04.40	35.04	27.80		1490.1							
	OBS	01400	04.27	35.03	27.80		1491.2							
	OBS	01500	04.12	35.02	27.81		1492.3							

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TABLE XXXII.—Continued

REFID 31 8256	YEAR 1971	BOTDP 04755	AIR TEMP 16.6	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 03	SHIP DG	WET BULB 15.6	05 3 2	WIND-SPD 25	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 02	DATA USE 1	BAROMETR 1017.2	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 58 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E53 011	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.10	36.35	26.54		1515.5							
	OBS	00010	17.10	36.35	26.54		1515.6							
	OBS	00020	17.10	36.35	26.54		1515.8							
	OBS	00030	17.11	36.35	26.54		1516.0							
	OBS	00050	17.11	36.36	26.55		1516.3							
	OBS	00075	17.11	36.36	26.55		1516.7							
	OBS	00100	17.11	36.36	26.55		1517.2							
	OBS	00125	17.12	36.37	26.55		1517.6							
	OBS	00150	17.12	36.37	26.55		1518.0							
	OBS	00200	16.55	36.31	26.64		1517.1							
	OBS	00250	15.92	36.20	26.71		1515.8							
	OBS	00300	15.02	36.03	26.78		1513.6							
	OBS	00400	13.72	35.83	26.90		1510.8							
	OBS	00500	12.57	35.61	26.97		1508.4							
	OBS	00600	10.46	35.38	27.19		1502.4							
	OBS	00700	09.03	35.24	27.32		1498.6							
	OBS	00800	07.23	35.15	27.52		1493.3							
	OBS	00840	06.79	35.14	27.58		1492.2							
	OBS	00900	05.79	35.06	27.65		1489.2							
	OBS	01000	05.47	35.11	27.73		1489.6							
	OBS	01100	05.18	35.09	27.75		1490.1							
	OBS	01200	04.63	35.04	27.77		1489.4							
	OBS	01300	04.44	35.03	27.78		1490.3							
	OBS	01400	04.16	35.00	27.79		1490.8							
	OBS	01500	04.02	34.99	27.80		1491.8							
	OBS	01750	03.80	34.97	27.80		1495.1							
	OBS	02000	03.65	34.97	27.82		1498.7							
	OBS	02500	03.28	34.96	27.85		1505.7							
	OBS	03000	03.01	34.94	27.86		1513.1							

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REFID 31 8256	YEAR 1971	BOTDP 04846	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0012	MONTH 03	SHIP DG	WET BULB 16.6	26 5 2	WIND-SPD 18	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 03	DATA USE 1	BAROMETR 1014.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 56 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG E53 012	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.13	36.35	26.54		1515.6							
	OBS	00010	17.13	36.33	26.52		1515.7							
	OBS	00020	17.13	36.33	26.52		1515.9							
	OBS	00030	17.12	36.35	26.54		1516.0							
	OBS	00050	17.12	36.35	26.54		1516.4							
	OBS	00075	17.12	36.35	26.54		1516.8							
	OBS	00100	17.12	36.35	26.54		1517.2							
	OBS	00125	17.12	36.35	26.54		1517.6							
	OBS	00150	17.12	36.35	26.54		1518.0							
	OBS	00200	17.12	36.35	26.54		1518.8							
	OBS	00250	16.31	36.24	26.65		1517.1							
	OBS	00300	15.57	36.11	26.72		1515.5							
	OBS	00400	14.49	35.94	26.83		1513.5							
	OBS	00500	12.86	35.69	26.97		1509.5							
	OBS	00600	10.94	35.43	27.14		1504.2							
	OBS	00700	09.12	35.22	27.29		1498.9							
	OBS	00800	07.25	35.14	27.51		1493.4							
	OBS	00900	06.03	35.07	27.62		1490.1							
	OBS	01000	05.65	35.10	27.70		1490.3							
	OBS	01100	05.10	35.07	27.74		1489.7							
	OBS	01200	04.65	35.03	27.76		1489.5							
	OBS	01300	04.40	35.01	27.77		1490.1							
	OBS	01400	04.27	34.99	27.77		1491.2							
	OBS	01500	04.06	34.98	27.79		1492.0							

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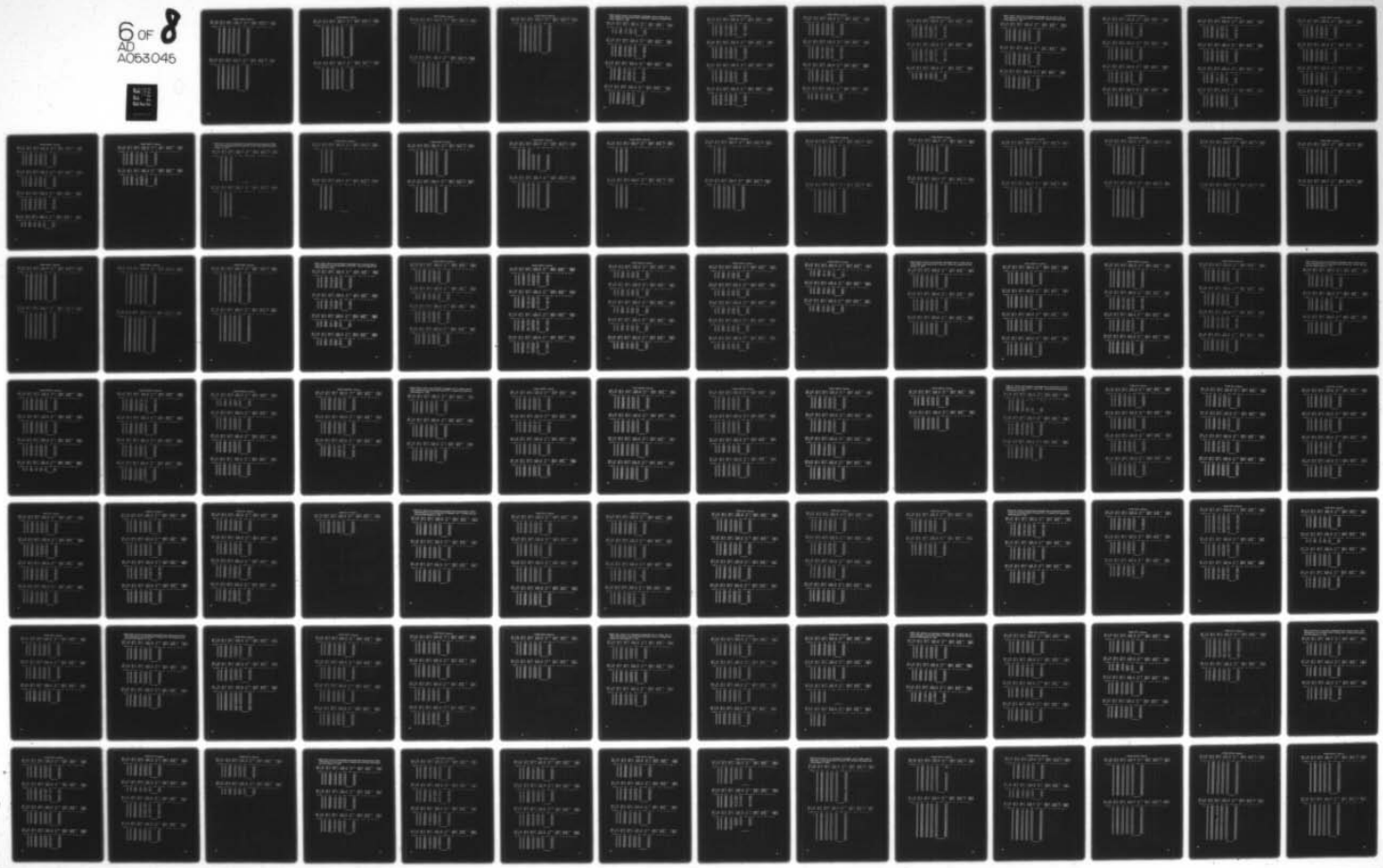


TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BOTDP 05042 AIR TEMP 15.9 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 03 SHIP DG WET BULB 12.6 26 2 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2
LAT 34 52.5N DAY 03 DATA USE 1 BAROMETR 1017.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 52.5W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E53 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	17.10	36.36	26.55		1515.5							
	OBS	00010	17.10	36.36	26.55		1515.7							
	OBS	00020	17.10	36.36	26.55		1515.8							
	OBS	00030	17.11	36.36	26.55		1516.0							
	OBS	00050	17.11	36.36	26.55		1516.3							
	OBS	00075	17.11	36.36	26.55		1516.7							
	OBS	00100	17.12	36.36	26.55		1517.2							
	OBS	00125	17.12	36.37	26.55		1517.6							
	OBS	00150	17.13	36.37	26.55		1518.0							
	OBS	00200	16.68	36.32	26.62		1517.5							
	OBS	00250	16.24	36.25	26.67		1516.9							
	OBS	00300	15.74	36.12	26.69		1516.0							
	OBS	00400	14.08	35.89	26.88		1512.1							
	OBS	00500	12.82	35.67	26.97		1509.3							
	OBS	00600	10.72	35.39	27.15		1503.3							
	OBS	00700	08.89	35.23	27.34		1498.1							
	OBS	00800	07.33	35.14	27.50		1493.7							
	OBS	00840	06.48	35.01	27.52		1490.8							
	OBS	00900	05.99	35.09	27.65		1490.0							
	OBS	00910	06.04	35.09	27.64		1490.4							
	OBS	01000	05.81	35.08	27.66		1490.9							
	OBS	01100	05.13	35.07	27.74		1489.8							
	OBS	01200	04.75	35.02	27.74		1489.9							
	OBS	01300	04.43	35.00	27.76		1490.2							
	OBS	01400	04.25	34.98	27.77		1491.1							
	OBS	01500	04.11	34.97	27.77		1492.2							
	OBS	01750	03.86	34.97	27.80		1495.4							
	OBS	02000	03.70	34.97	27.81		1498.9							
	OBS	02500	03.36	34.96	27.84		1506.0							
	OBS	03000	03.01	34.94	27.86		1513.1							

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REFID 31 8256 YEAR 1971 BOTDP 04846 AIR TEMP 16.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 03 SHIP DG WET BULB 13.8 32 2 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2
LAT 34 53 N DAY 03 DATA USE 1 BAROMETR 1017.2 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 53 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E53 014 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	17.16	36.36	26.54		1515.7							
	OBS	00010	17.16	36.36	26.54		1515.8							
	OBS	00020	17.16	36.36	26.54		1516.0							
	OBS	00030	17.15	36.36	26.54		1516.1							
	OBS	00050	17.16	36.37	26.54		1516.5							
	OBS	00075	17.16	36.37	26.54		1516.9							
	OBS	00100	17.16	36.37	26.54		1517.3							
	OBS	00125	17.16	36.37	26.54		1517.7							
	OBS	00150	17.16	36.37	26.54		1518.1							
	OBS	00190	17.05	36.37	26.57		1518.5							
	OBS	00200	16.76	36.33	26.61		1517.7							
	OBS	00250	16.34	36.26	26.65		1517.2							
	OBS	00300	15.81	36.16	26.70		1516.3							
	OBS	00400	14.45	35.91	26.81		1513.3							
	OBS	00500	12.89	35.71	26.98		1509.6							
	OBS	00600	10.87	35.43	27.15		1503.9							
	OBS	00700	08.94	35.21	27.31		1498.3							
	OBS	00800	06.86	35.07	27.51		1491.8							
	OBS	00820	06.55	35.11	27.59		1490.9							
	OBS	00840	06.81	35.15	27.58		1492.3							
	OBS	00900	06.17	35.15	27.67		1490.8							
	OBS	00915	06.22	35.15	27.66		1491.2							
	OBS	01000	05.87	35.15	27.71		1491.3							
	OBS	01100	05.22	35.10	27.75		1490.2							
	OBS	01200	04.80	35.06	27.77		1490.1							
	OBS	01300	04.41	35.03	27.79		1490.2							
	OBS	01400	04.26	35.01	27.79		1491.2							
	OBS	01500	04.12	35.01	27.80		1492.3							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BOTDP 04846 AIR TEMP 15.1 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0015 MONTH 03 SHIP DG WET BULB 14.5 35 1 2 WIND-SPD 07 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 04 DATA USE 1 BAROMETR 1016.4 SEA WIND-FOR DUPATION 00.6 2 SQUARE 48
LONG 048 00 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E53 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	17.49	36.35	26.45		1516.6							
	OBS	00010	17.49	36.35	26.45		1516.8							
	OBS	00020	17.49	36.36	26.46		1517.0							
	OBS	00030	17.50	36.36	26.45		1517.2							
	OBS	00050	17.50	36.36	26.45		1517.5							
	OBS	00075	17.51	36.36	26.45		1517.9							
	OBS	00090	17.54	36.37	26.45		1518.3							
	OBS	00100	17.23	36.34	26.50		1517.5							
	OBS	00125	17.19	36.34	26.51		1517.8							
	OBS	00150	17.18	36.35	26.52		1518.2							
	OBS	00200	17.15	36.35	26.53		1518.9							
	OBS	00240	17.14	36.34	26.53		1519.5							
	OBS	00250	16.96	36.32	26.55		1519.1							
	OBS	00300	16.14	36.20	26.65		1517.3							
	OBS	00400	14.76	35.93	26.76		1514.3							
	OBS	00500	13.33	35.72	26.90		1511.1							
	OBS	00600	11.24	35.40	27.06		1505.2							
	OBS	00700	09.32	35.23	27.27		1499.7							
	OBS	00800	07.45	35.10	27.45		1494.1							
	OBS	00820	07.35	35.15	27.51		1494.1							
	OBS	00900	06.20	35.13	27.65		1490.9							
	OBS	00960	05.78	35.07	27.66		1490.1							
	OBS	00970	05.90	35.12	27.68		1490.8							
	OBS	01000	05.40	35.06	27.70		1489.2							
	OBS	01060	05.10	35.03	27.71		1489.0							
	OBS	01080	05.18	35.06	27.72		1489.7							
	OBS	01100	05.15	35.05	27.72		1489.9							
	OBS	01200	04.72	35.02	27.74		1489.7							
	OBS	01300	04.44	35.00	27.76		1490.2							
	OBS	01400	04.25	34.99	27.77		1491.1							
	OBS	01500	04.09	34.98	27.78		1492.1							
	OBS	01750	03.95	34.98	27.80		1495.7							
	OBS	02000	03.79	34.99	27.82		1499.3							
	OBS	02500	03.40	34.97	27.84		1506.2							
	OBS	03000	03.07	34.94	27.85		1513.4							

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REFID 31 8256 YEAR 1971 BOTDP 04938 AIR TEMP 15.4 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0016 MONTH 03 SHIP DG WET BULB 15.0 49 2 X WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 04 DATA USE 1 BAROMETR 1018.5 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 54 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E53 016 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	17.09	36.36	26.55		1515.5							
	OBS	00010	17.09	36.36	26.55		1515.6							
	OBS	00020	17.09	36.36	26.55		1515.8							
	OBS	00030	17.10	36.36	26.55		1516.0							
	OBS	00050	17.10	36.36	26.55		1516.3							
	OBS	00075	17.10	36.37	26.56		1516.7							
	OBS	00100	17.10	36.37	26.56		1517.1							
	OBS	00125	17.11	36.37	26.56		1517.6							
	OBS	00150	17.11	36.37	26.56		1518.0							
	OBS	00178	17.09	36.38	26.57		1518.4							
	OBS	00200	16.76	36.34	26.62		1517.7							
	OBS	00250	16.38	36.28	26.66		1517.3							
	OBS	00300	15.76	36.16	26.71		1516.1							
	OBS	00400	14.13	35.88	26.86		1512.2							
	OBS	00500	12.66	35.67	27.00		1508.8							
	OBS	00600	10.41	35.35	27.17		1502.2							
	OBS	00700	08.57	35.20	27.36		1496.9							
	OBS	00800	06.78	35.02	27.49		1491.4							
	OBS	00900	06.04	35.13	27.67		1490.3							
	OBS	01000	05.49	35.12	27.73		1489.7							
	OBS	01100	04.82	35.06	27.76		1488.5							
	OBS	01200	04.74	35.05	27.77		1489.9							
	OBS	01300	04.42	35.02	27.78		1490.2							
	OBS	01400	04.20	35.00	27.79		1490.9							
	OBS	01500	04.08	34.98	27.78		1492.1							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BOTDP 04755 AIR TEMP 17.8 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 03 SHIP DG WET BULB 16.8 25 1 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2
LAT 34 50.8N DAY 05 DATA USE 1 BAROMETR 1017.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 42.5W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E53 017 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.8	OBS	00000	17.12	36.33	26.52		1515.5							
	OBS	00010	17.10	36.34	26.54		1515.6							
	OBS	00020	17.10	36.35	26.54		1515.8							
	OBS	00030	17.10	36.35	26.54		1516.0							
	OBS	00050	17.10	36.36	26.55		1516.3							
	OBS	00075	17.10	36.36	26.55		1516.7							
	OBS	00100	17.10	36.36	26.55		1517.1							
	OBS	00125	17.10	36.36	26.55		1517.5							
	OBS	00150	17.11	36.37	26.56		1516.0							
	OBS	00200	16.51	36.29	26.64		1516.9							
	OBS	00250	15.91	36.18	26.69		1515.8							
	OBS	00300	15.39	36.09	26.74		1514.9							
	OBS	00400	14.00	35.87	26.88		1511.3							
	OBS	00500	12.77	35.67	26.98		1509.1							
	OBS	00600	10.84	35.43	27.16		1503.9							
	OBS	00700	08.79	35.17	27.30		1497.6							
	OBS	00800	06.94	35.08	27.51		1492.1							
	OBS	00840	06.35	35.05	27.57		1490.4							
	OBS	00900	06.04	35.12	27.66		1490.2							
	OBS	00940	06.27	35.18	27.68		1491.9							
	OBS	01000	05.96	35.16	27.71		1491.6							
	OBS	01100	05.14	35.10	27.76		1489.9							
	OBS	01200	04.91	35.09	27.78		1490.6							
	OBS	01300	04.44	35.03	27.78		1490.3							
	OBS	01400	04.40	35.04	27.80		1491.8							
	OBS	01500	04.18	35.02	27.80		1492.5							
	OBS	01750	03.90	34.99	27.81		1495.5							
	OBS	02000	03.69	34.99	27.83		1498.9							
	OBS	02500	03.27	34.97	27.86		1505.6							
	OBS	02860	02.99	34.95	27.87		1510.6							
	OBS	03000	02.88	34.95	27.88		1512.6							

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REFID 31 8256 YEAR 1971 BOTDP 04572 AIR TEMP 17.5 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 03 SHIP DG WET BULB 16.0 03 2 2 WIND-SPD 18 TRACE DIR 0 5 SQUARE 2
LAT 34 56 N DAY 05 DATA USE 1 BAROMETR 1013.6 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 00 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E53 018 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.8	OBS	00000	17.22	36.36	26.52		1515.8							
	OBS	00010	17.22	36.37	26.53		1516.0							
	OBS	00020	17.21	36.37	26.53		1516.2							
	OBS	00030	17.21	36.38	26.54		1516.3							
	OBS	00050	17.21	36.38	26.54		1516.7							
	OBS	00075	17.16	36.38	26.55		1516.9							
	OBS	00100	17.11	36.38	26.56		1517.2							
	OBS	00125	17.10	36.38	26.57		1517.6							
	OBS	00150	17.07	36.38	26.57		1517.9							
	OBS	00175	16.94	36.35	26.58		1517.9							
	OBS	00200	16.86	36.36	26.61		1518.1							
	OBS	00250	16.56	36.32	26.65		1517.9							
	OBS	00300	15.84	36.18	26.71		1516.4							
	OBS	00400	14.43	35.93	26.83		1513.3							
	OBS	00500	13.00	35.68	26.94		1509.9							
	OBS	00600	11.10	35.44	27.12		1504.7							
	OBS	00700	08.80	35.19	27.32		1497.7							
	OBS	00800	06.85	35.03	27.48		1491.7							
	OBS	00825	06.35	34.99	27.52		1490.1							
	OBS	00900	06.11	35.13	27.66		1490.5							
	OBS	01000	05.59	35.11	27.71		1490.1							
	OBS	01100	05.06	35.07	27.74		1489.5							
	OBS	01200	04.71	35.04	27.76		1489.7							
	OBS	01222	04.76	35.05	27.76		1490.3							
	OBS	01246	04.58	35.02	27.76		1489.9							
	OBS	01260	04.71	35.06	27.78		1490.8							
	OBS	01300	04.46	35.03	27.78		1490.4							
	OBS	01400	04.25	34.99	27.77		1491.1							
	OBS	01500	04.12	34.98	27.78		1492.2							

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TABLE XXXII.—Continued

REFID 31 8256	YEAR 1971	BOTDP 04617	AIR TEMP 17.5	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1206
CONSEC 0019	MONTH 03	SHIP DG	WET BULB 14.3	28 6 3	WIND-SPD 34	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 06	DATA USE 1	BAROMETR 1016.5	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 46
LONG 047 51 W	HOUR 12.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E53 019	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	17.19	36.37	26.54		1515.8							
	OBS	00010	17.19	36.37	26.54		1515.9							
	OBS	00020	17.20	36.37	26.53		1516.1							
	OBS	00030	17.20	36.37	26.53		1516.3							
	OBS	00050	17.20	36.36	26.53		1516.6							
	OBS	00075	17.16	36.36	26.54		1516.9							
	OBS	00100	17.16	36.36	26.54		1517.3							
	OBS	00125	17.16	36.37	26.54		1517.7							
	OBS	00150	17.17	36.37	26.54		1518.2							
	OBS	00200	16.90	36.35	26.59		1518.2							
	OBS	00250	16.23	36.22	26.65		1516.8							
	OBS	00300	15.69	36.12	26.70		1515.8							
	OBS	00400	14.30	35.90	26.84		1512.8							
	OBS	00500	12.93	35.66	26.94		1509.7							
	OBS	00600	10.57	35.39	27.18		1502.8							
	OBS	00700	08.61	35.20	27.36		1497.0							
	OBS	00800	06.53	35.04	27.54		1490.4							
	OBS	00820	06.34	35.08	27.59		1490.1							
	OBS	00840	06.43	35.10	27.60		1490.8							
	OBS	00860	06.30	35.11	27.62		1490.6							
	OBS	00870	06.53	35.15	27.62		1491.7							
	OBS	00900	06.29	35.13	27.64		1491.3							
	OBS	01000	05.67	35.12	27.71		1490.4							
	OBS	01100	05.21	35.09	27.74		1490.2							
	OBS	01200	04.79	35.05	27.76		1490.1							
	OBS	01300	04.52	35.02	27.77		1490.6							
	OBS	01400	04.34	35.01	27.78		1491.5							
	OBS	01500	04.18	34.99	27.78		1492.5							
	OBS	01750	03.90	34.98	27.80		1495.5							
	OBS	02000	03.68	34.98	27.92		1498.8							
	OBS	02500	03.37	34.97	27.85		1506.1							
	OBS	03000	03.01	34.95	27.87		1513.1							

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TABLE XXXIII.–Observed and interpolated oceanographic data for stations taken by USCGC MENDOTA at Ocean Station ECHO, 7 March 1971 - 30 March 1971, prepared from NODC listing No. 31 - 1813.

REFID 31 1813 YEAR 1971 BOTDP 04948 AIR TEMP 17.8 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 03 SHIP ME WET BULB 15.0 27 4 5 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 28 N DAY 08 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 47 W HOUR 13.5 AREA 05 CLOUD T/A 3/8 CL/TR /18 WEATHER X1 ORIG E54 001 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	17.17	36.361	26.53		1515.7							
13.5	OBS	00023	17.16	36.350	26.53		1516.0							
13.5	OBS	00046	17.17	36.349	26.53		1516.4							
13.5	OBS	00069	17.15	36.347	26.53		1516.8							
13.5	OBS	00093	17.14	36.356	26.54		1517.1							
13.5	OBS	00139	17.17	36.356	26.53		1518.0							

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REFID 31 1813 YEAR 1971 BOTDP 02846 AIR TEMP 18.9 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 03 SHIP ME WET BULB 17.2 19 2 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 09 N DAY 09 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 38 W HOUR 12.8 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X1 ORIG E54 002 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	17.22	36.357	26.52		1515.8							
12.8	OBS	00028	17.23	36.348	26.51		1516.3							
12.8	OBS	00053	17.25	36.343	26.50		1516.8							
12.8	OBS	00075	17.16	36.341	26.52		1516.9							
12.8	OBS	00105	16.97	36.312	26.55		1516.8							
12.8	OBS	00154	16.84	36.295	26.56		1517.2							
12.8	OBS	T00205	16.71	36.272	26.58		1517.6							
12.8	OBS	00312	16.19	36.211	26.65		1517.7							
12.8	OBS	T00416	14.35	35.900	26.82		1513.2							
12.8	OBS	00523		35.633										
12.8	OBS	00628	10.98	35.405	27.11		1504.7							
12.8	OBS	00842	07.15	35.134	27.52		1493.7							
12.8	OBS	T01058	05.56	35.094	27.70		1490.9							

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REFID 31 1813 YEAR 1971 BOTDP 03265 AIR TEMP 18.9 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 03 SHIP ME WET BULB 17.8 22 4 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 10 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 15.5 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E54 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.5	OBS	00000	17.34	36.352	26.49		1516.2							
15.5	OBS	00029	17.32	36.352	26.49		1516.6							
15.5	OBS	00057	17.22											
15.5	OBS	00085	17.16	36.350	26.53		1517.0							
15.5	OBS	00115	17.07	36.343	26.54		1517.3							
15.5	OBS	00171	16.80	36.294	26.57		1517.3							
15.5	OBS	00228	16.56	36.266	26.61		1517.5							
15.5	OBS	00343		36.066										
15.5	OBS	T00457	13.37	35.739	26.91		1510.5							
15.5	OBS	00573	11.03	35.402	27.10		1504.0							
15.5	OBS	00689	08.77	35.165	27.30		1497.4							
15.5	OBS	T00928	06.01	35.100	27.65		1490.6							
15.5	OBS	T01175	05.23	35.092	27.74		1491.5							
15.5	OBS	T01806	03.82	34.990	27.82		1496.2							

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REFID 31 1813 YEAR 1971 BOTDP 04855 AIR TEMP 17.8 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 03 SHIP ME WET BULB 16.7 06 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 12 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 049 40 W HOUR 12.8 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E54 004 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	17.43	36.328	26.45		1516.4							
12.8	OBS	00025	17.47	36.368	26.47		1517.0							
12.8	OBS	C0049		36.374										
12.8	OBS	00074	17.29	36.366	26.51		1517.3							
12.8	OBS	00098	17.26	36.360	26.51		1517.6							
12.8	OBS	00148	17.16	36.354	26.53		1518.1							
12.8	OBS	T00198	16.99	36.357	26.57		1518.4							
12.8	OBS	00297	16.00	36.181	26.67		1516.8							
12.8	OBS	T00395	14.26	35.878	26.83		1512.6							
12.8	OBS	00496	12.70	35.632	26.96		1508.8							
12.8	OBS	00596	10.05	289	27.19		1500.7							
12.8	OBS	T00797	07.01	.113	27.53		1492.4							
12.8	OBS	T00998	05.20	35.007	27.68		1488.3							
12.8	OBS	T01504	04.05	34.977	27.78		1492.0							

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TABLE XXXIII.—Continued

REFID 31 1813 YEAR 1971 BOTDP 01631 AIR TEMP 16.7 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 03 SHIP ME WET BULB 16.7 17 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 13 DATA USE 1 BAROMETR 1013.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 45 W HOUR 12.9 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X6 ORIG E54 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	17.37	36.255	26.40		1516.2							
12.9	OBS	00028	17.32	36.320	26.47		1516.5							
12.9	OBS	00055	17.22	36.368	26.53		1516.8							
12.9	OBS	00084	17.18	36.362	26.53		1517.1							
12.9	OBS	00112	17.14	36.362	26.54		1517.4							
12.9	OBS	00168	17.14	36.354	26.54		1518.4							
12.9	OBS	T00224	16.62	36.306	26.62		1517.7							
12.9	OBS	00337		36.060										
12.9	OBS	T00450	13.60	35.788	26.90		1511.2							
12.9	OBS	00564		35.524										
12.9	OBS	00679	09.68	35.258	27.23		1500.7							
12.9	OBS	00909	06.69	35.158	27.61		1493.0							
12.9	OBS	T01140	05.68	35.145	27.73		1492.8							

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REFID 31 1813 YEAR 1971 BOTDP 01792 AIR TEMP 15.6 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 03 SHIP ME WET BULB 11.7 20 2 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 14 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 13.0 AREA 05 CLOUD T/A 0/6 CL/TR WEATHER X1 ORIG E54 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	17.29	36.315	26.47		1516.0							
13.0	OBS	00025	17.27	36.310	26.47		1516.3							
13.0	OBS	00049	17.22	36.322	26.49		1516.6							
13.0	OBS	00074	17.17	36.363	26.54		1516.9							
13.0	OBS	00098	17.15	36.367	26.54		1517.3							
13.0	OBS	00148	17.11	36.357	26.55		1517.9							
13.0	OBS	00197	17.00	36.360	26.57		1518.4							
13.0	OBS	00295	16.28	36.258	26.67		1517.7							
13.0	OBS	T00394	14.98	36.014	26.78		1515.0							
13.0	OBS	00494		35.757										
13.0	OBS	00593	11.20	35.437	27.10		1505.0							
13.0	OBS	T00794	07.52	35.082	27.43		1494.3							
13.0	OBS	T00994	05.59	35.081	27.65		1489.9							

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REFID 31 1813 YEAR 1971 BOTDP 04160 AIR TEMP 16.1 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 03 SHIP ME WET BULB 16.1 16 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 15 DATA USE 1 BAROMETR 1013.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 19 W HOUR 12.7 AREA 05 CLOUD T/A 7/8 CL/TR /15 WEATHER X5 ORIG E54 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	17.27											
12.7	OBS	00025	17.26	36.302	26.47		1516.3							
12.7	OBS	00051	17.28	36.316	26.47		1516.8							
12.7	OBS	00076	17.19	36.353	26.52		1517.0							
12.7	OBS	00101	17.18	36.355	26.53		1517.4							
12.7	OBS	00151	17.15	36.358	26.54		1518.1							
12.7	OBS	00202	17.16	36.362	26.54		1519.0							
12.7	OBS	00303	16.66	36.222	26.55		1519.0							
12.7	OBS	T00404	14.83	35.979	26.78		1514.7							
12.7	OBS	00505	13.34	35.735	26.91		1511.2							
12.7	OBS	00606	11.74	35.499	27.04		1507.1							
12.7	OBS	00808	08.87	35.080	27.52		1491.9							
12.7	OBS	T01010	05.82	35.110	27.68		1491.2							
12.7	OBS	T01515	04.23	35.002	27.78		1493.0							

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REFID 31 1813 YEAR 1971 BOTDP 04789 AIR TEMP 15.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 03 SHIP ME WET BULB 11.7 32 4 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 47 N DAY 16 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14 W HOUR 12.8 AREA 05 CLOUD T/A 3/3 CL/TR WEATHER X1 ORIG E54 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	17.54	36.326	26.42		1516.7							
12.8	OBS	00030	17.51	36.326	26.43		1517.1							
12.8	OBS	00060	17.46	36.326	26.44		1517.5							
12.8	OBS	00091	17.43	36.377	26.48		1518.0							
12.8	OBS	00122	17.38	36.383	26.50		1518.3							
12.8	OBS	00184	17.32	36.367	26.50		1519.2							
12.8	OBS	T00246	17.16	36.383	26.55		1519.7							
12.8	OBS	00363	15.88	36.165	26.69		1517.5							
12.8	OBS	T00499	13.84	35.811	26.86		1512.8							
12.8	OBS	00626		35.440										
12.8	OBS	00753		35.120										
12.8	OBS	T01008	05.50	35.061	27.68		1489.8							
12.8	OBS	T01265	04.50	34.994	27.75		1489.9							

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TABLE XXXIII.—Continued

REFID 31 1813 YEAR 1971 BOTDP 02935 AIR TEMP 17.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 03 SHIP ME WET BULB 15.6 10 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 18.1 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E54 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	17.37	36.309	26.45		1516.2							
18.1	OBS	00026	17.28	36.299	26.46		1516.4							
18.1	OBS	00051	17.26	36.297	26.46		1516.7							
18.1	OBS	00077	17.19	36.370	26.54		1517.0							
18.1	OBS	00102	17.18	36.356	26.53		1517.4							
18.1	OBS	00153	17.19	36.378	26.54		1518.3							
18.1	OBS	T00203	17.12	36.357	26.54		1518.9							
18.1	OBS	00302	16.03	36.197	26.68		1517.0							
18.1	OBS	T00402	15.05	36.025	26.77		1515.4							
18.1	OBS	00503	13.50	35.754	26.89		1511.7							
18.1	OBS	00603	11.60	35.480	27.06		1506.6							
18.1	OBS	00805	07.38	35.098	27.46		1493.9							
18.1	OBS	T01004	05.89	35.107	27.67		1491.4							
18.1	OBS	T01534	04.42	35.049	27.80		1494.1							

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REFID 31 1813 YEAR 1971 BOTDP 02295 AIR TEMP 19.4 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 03 SHIP ME WET BULB 18.3 14 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 08 N DAY 18 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 13.6 AREA 05 CLOUD T/A /6 CL/TR /16 WEATHER X0 ORIG E54 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	17.46	36.300	26.42		1516.5							
13.6	OBS	00023	17.29	36.296	26.46		1516.4							
13.6	OBS	00046	17.16	36.298	26.49		1516.3							
13.6	OBS	00070	17.11	36.354	26.54		1516.7							
13.6	OBS	00095	17.04	36.352	26.56		1516.9							
13.6	OBS	00145	16.81	36.324	26.59		1517.0							
13.6	OBS	00196	16.62	36.308	26.63		1517.2							
13.6	OBS	00302		36.133										
13.6	OBS	T00408	14.47	35.928	26.82		1513.5							
13.6	OBS	00514	13.31	35.749	26.93		1511.3							
13.6	OBS	00622	11.21	35.443	27.10		1505.5							
13.6	OBS	T00840	06.86	35.089	27.53		1492.5							
13.6	OBS	T01058	05.67	35.101	27.70		1491.4							
13.6	OBS	T01670	04.24	35.025	27.80		1495.7							

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REFID 31 1813 YEAR 1971 BOTDP 04555 AIR TEMP 15.6 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 03 SHIP ME WET BULB 12.2 17 5 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 19 DATA USE 1 BAROMETR 1009.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.5 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E54 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	17.38	36.300	26.44		1516.2							
12.5	OBS	00027	17.33	36.301	26.45		1516.5							
12.5	OBS	00054	17.23	36.328	26.49		1516.7							
12.5	OBS	00082		36.352										
12.5	OBS	00110	17.14	36.356	26.54		1517.4							
12.5	OBS	00164	17.11	36.354	26.54		1518.2							
12.5	OBS	00219	16.93	36.353	26.59		1518.6							
12.5	OBS	00328	15.92	36.174	26.69		1517.1							
12.5	OBS	T00436	14.45	35.921	26.82		1513.9							
12.5	OBS	00545	11.74	35.625	27.14		1506.3							
12.5	OBS	00655	10.57	35.354	27.15		1503.7							
12.5	OBS	00877	06.48	35.069	27.56		1491.5							
12.5	OBS	T01104	05.42	35.080	27.71		1491.1							
12.5	OBS	T01702	03.94	34.992	27.81		1494.9							

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REFID 31 1813 YEAR 1971 BOTDP 04809 AIR TEMP 15.6 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 03 SHIP ME WET BULB 13.3 28 6 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 20 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E54 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	17.41	36.326	26.45		1516.4							
12.9	OBS	00023	17.38	36.340	26.47		1516.7							
12.9	OBS	00045	17.40	36.341	26.46		1517.1							
12.9	OBS	00067	17.41	36.337	26.46		1517.5							
12.9	OBS	00089	17.39	36.362	26.48		1517.8							
12.9	OBS	00131	17.23	36.370	26.53		1518.0							
12.9	OBS	00174	17.23	36.364	26.52		1518.7							

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TABLE XXXIII.—Continued

REFID 31 1813 YEAR 1971 BOTDP 04831 AIR TEMP 17.2 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 03 SHIP ME WET BULB 16.7 27 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 44 W HOUR 12.8 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E54 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	16.96	36.322	26.56		1515.8							
12.8	OBS	00025	16.86	36.322	26.58		1515.1							
12.8	OBS	00049	16.92	36.314	26.56		1515.7							
12.8	OBS	00074	16.87	36.326	26.58		1516.0							
12.8	OBS	00099	16.92	36.372	26.60		1516.8							
12.8	OBS	00148	16.67	36.316	26.62		1516.6							
12.8	OBS	00197		36.281										
12.8	OBS	00295	15.91	36.180	26.69		1516.5							
12.8	OBS	T00392	14.97	36.035	26.79		1515.0							
12.8	OBS	00492		35.814										
12.8	OBS	00589	12.39	35.608	27.00		1509.2							
12.8	OBS	00793	09.28	35.333	27.35		1501.2							
12.8	OBS	T01003	06.44	35.133	27.62		1493.6							
12.8	OBS	T01553	04.36	35.031	27.79		1494.2							

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REFID 31 1813 YEAR 1971 BOTDP 04326 AIR TEMP 22.8 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 03 SHIP ME WET BULB 16.1 26 1 2 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 18.3 AREA 05 CLOUD T/A 0/2 CL/TR /16 WEATHER X1 ORIG E54 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	00000	17.47	36.343	26.45		1516.6							
18.3	OBS	00025	17.26	36.345	26.50		1516.4							
18.3	OBS	00050		36.305										
18.3	OBS	00076	17.10	36.362	26.55		1516.7							
18.3	OBS	00100	17.02	36.353	26.56		1516.9							
18.3	OBS	00152	16.97	36.364	26.59		1517.6							
18.3	OBS	T00203	16.87	36.354	26.60		1518.1							
18.3	OBS	00303		36.266										
18.3	OBS	T00402	14.91	36.013	26.79		1514.9							
18.3	OBS	00502		35.774										
18.3	OBS	00601	12.11	35.566	27.03		1508.4							
18.3	OBS	T00804	08.43	35.169	27.36		1498.0							
18.3	OBS	T01008	06.10	35.091	27.63		1492.2							
18.3	OBS	T01530	04.48	35.032	27.78		1494.3							

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REFID 31 1813 YEAR 1971 BOTDP 02818 AIR TEMP 17.8 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 03 SHIP ME WET BULB 16.1 25 2 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 24 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.4 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG E54 015 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	17.17	36.345	26.52		1515.7							
12.4	OBS	00024	17.00	36.338	26.56		1515.6							
12.4	OBS	00047	17.03	36.355	26.56		1516.0							
12.4	OBS	00071	17.02	36.366	26.57		1516.4							
12.4	OBS	00095	16.97	36.377	26.60		1516.7							
12.4	OBS	00144	16.95	36.376	26.60		1517.4							
12.4	OBS	00191	16.97	36.372	26.59		1518.2							

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TABLE XXXIV.–Observed and interpolated oceanographic data for stations taken by USCGC SEBAGO at Ocean Station ECHO, 30 March 1971 - 22 April 1971, prepared from NODC listing No. 31 - 1827.

REFID 31 1827	YEAR 1971	BOTDP 04572	AIR TEMP 19.0	DIR HGT PER	WIND-DIR 16	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 03	SHIP S5	WET BULB 16.5	16 1 2	WIND-SPD 03	TRACE DIR	5 SQUARE 2
LAT 34 26 N	DAY 30	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 38 W	HOUR 22.0	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	ORIG E55 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.0	OBS	00000	18.19	36.365	26.29		1518.7							
22.0	OBS	00025	17.69	36.387	26.43		1517.7							
22.0	OBS	00050	17.61	36.391	26.45		1517.8							
22.0	OBS	00074	17.17	36.362	26.54		1516.9							
22.0	OBS	00099	17.10	36.364	26.55		1517.1							
22.0	OBS	00149	17.04	36.361	26.57		1517.8							
22.0	OBS	T00203	16.90	36.340	26.58		1518.2							
22.0	OBS	00303	16.44	36.280	26.65		1518.4							
22.0	OBS	T00402	14.81	35.982	26.79		1514.6							
22.0	OBS	00506	13.44	35.755	26.91		1511.6							
22.0	OBS	00606	11.75	35.508	27.05		1507.2							
22.0	OBS	00803	08.03	35.143	27.40		1496.4							
22.0	OBS	01005	06.14	35.122	27.65		1492.4							
22.0	OBS	T01505	04.38	35.038	27.80		1493.5							

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REFID 31 1827	YEAR 1971	BOTDP 02286	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 17	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 03	SHIP S5	WET BULB 18.0	17 1 2	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 35 06 N	DAY 31	DATA USE 1	BAROMETR 1028.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 19.7	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	ORIG E55 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.7	OBS	00000	18.00	36.327	26.31		1518.1							
19.7	OBS	00029	17.26	36.350	26.50		1516.4							
19.7	OBS	00052	17.25	36.396	26.54		1516.8							
19.7	OBS	00080	16.99	36.372	26.59		1516.5							
19.7	OBS	00104	16.98	36.376	26.59		1516.9							
19.7	OBS	00155	17.03	36.387	26.59		1517.9							
19.7	OBS	T00207	17.00	36.384	26.59		1518.6							
19.7	OBS	00310	16.81	36.350	26.61		1519.7							
19.7	OBS	T00411	16.07	36.186	26.66		1516.9							
19.7	OBS	00511	14.91	35.962	26.75		1516.7							
19.7	OBS	T00610	14.28	35.931	26.86		1516.3							
19.7	OBS	00840	10.34	35.371	27.20		1505.9							
19.7	OBS	01003	07.38	35.209	27.55		1497.3							
19.7	OBS	T01486	04.77	35.059	27.77		1494.8							

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REFID 31 1827	YEAR 1971	BOTDP 03658	AIR TEMP 20.2	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 04	SHIP S5	WET BULB 18.0	15 2 2	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 08 N	DAY 01	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 15 W	HOUR 17.9	AREA 05	CLOUD T/A 8/1	CL/TR /08	WEATHER X1	ORIG E55 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	17.99	36.366	26.34		1518.1							
17.9	OBS	00029	17.30	36.360	26.50		1516.6							
17.9	OBS	00052	16.99	36.377	26.59		1516.0							
17.9	OBS	00080	16.98	36.384	26.60		1516.5							
17.9	OBS	00104	17.00	36.386	26.59		1516.9							
17.9	OBS	00155	17.06	36.390	26.58		1517.9							
17.9	OBS	T00207	17.05	36.400	26.59		1518.8							
17.9	OBS	00310	16.93	36.377	26.60		1520.1							
17.9	OBS	00414	16.43	36.269	26.64		1520.2							
17.9	OBS	00518	15.25	36.058	26.75		1518.0							
17.9	OBS	T00623	13.73	35.804	26.88		1514.5							
17.9	OBS	00838	09.73	35.317	27.26		1503.6							
17.9	OBS	T01049	06.99	35.221	27.61		1496.6							
17.9	OBS	T01575	04.69	35.054	27.78		1496.0							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTDP 04572 AIR TEMP 19.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 04 SHIP S5 WET BULB 18.3 15 5 3 WIND-SPD 23 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 13.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E55 004 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	17.85	36.370	26.38		1517.7							
13.5	OBS	00029	17.23	36.386	26.54		1516.4							
13.5	OBS	00054		36.403										
13.5	OBS	00084	17.06	36.407	26.60		1516.8							
13.5	OBS	00108	17.03	36.392	26.59		1517.1							
13.5	OBS	00163	17.01	36.384	26.59		1517.9							
13.5	OBS	T00218	17.00	36.372	26.58		1518.8							
13.5	OBS	00327	16.91	36.374	26.61		1520.3							
13.5	OBS	00436	16.59	36.292	26.62		1521.0							
13.5	OBS	00545	15.02	36.020	26.77		1517.7							
13.5	OBS	00654	13.30	35.743	26.92		1513.5							
13.5	OBS	00877	09.01	35.270	27.35		1501.5							
13.5	OBS	T01094	06.16	35.137	27.66		1494.0							
13.5	OBS	T01636	04.04	34.940	27.76		1494.1							

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REFID 31 1827 YEAR 1971 BOTDP 03840 AIR TEMP 19.4 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 04 SHIP S5 WET BULB 17.8 13 5 3 WIND-SPD 26 TRACE DIR 5 SQUARE 2
LAT 34 46 N DAY 03 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 20 W HOUR 17.0 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E55 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.0	OBS	00000	18.15	36.300	26.25		1518.5							
17.0	OBS	00028	17.47	36.335	26.44		1517.0							
17.0	OBS	00052	17.27	36.369	26.52		1516.9							
17.0	OBS	00080	16.97	36.337	26.56		1516.4							
17.0	OBS	00104	17.00	36.358	26.57		1516.9							
17.0	OBS	00156	16.85	36.329	26.59		1517.3							
17.0	OBS	T00208	16.85	36.344	26.60		1518.1							
17.0	OBS	00313	16.15	36.231	26.68		1517.6							
17.0	OBS	00419	14.77	35.978	26.79		1514.7							
17.0	OBS	00525	12.96	35.680	26.95		1510.2							
17.0	OBS	T00632	11.13	35.460	27.13		1505.4							
17.0	OBS	00853	07.76	35.215	27.50		1496.3							
17.0	OBS	T01071	05.23	35.044	27.70		1489.7							
17.0	OBS	T01614	04.09	34.977	27.78		1494.0							

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REFID 31 1827 YEAR 1971 BOTDP 04389 AIR TEMP 20.1 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 04 SHIP S5 WET BULB 18.0 13 5 3 WIND-SPD 21 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 04 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 17.5 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER X1 ORIG E55 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	17.78	36.336	26.37		1517.5							
17.5	OBS	00029	17.76	36.356	26.39		1517.9							
17.5	OBS	00048	17.17	36.378	26.55		1516.5							
17.5	OBS	00081	17.00	36.376	26.59		1516.5							
17.5	OBS	00105	16.98	36.384	26.60		1516.9							
17.5	OBS	00157	17.02	36.381	26.59		1517.9							
17.5	OBS	T00209	17.04	36.389	26.59		1518.8							
17.5	OBS	00314	16.94	36.397	26.62		1520.2							
17.5	OBS	00420	16.62	36.292	26.61		1520.9							
17.5	OBS	00526	15.31	36.044	26.72		1518.3							
17.5	OBS	T00633	13.96	35.861	26.88		1515.5							
17.5	OBS	00854	09.41	35.304	27.31		1502.7							
17.5	OBS	T01070	06.33	35.121	27.63		1494.2							

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REFID 31 1827 YEAR 1971 BOTDP 01921 AIR TEMP 19.1 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 04 SHIP S5 WET BULB 17.9 15 4 3 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 05 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.9 AREA 05 CLOUD T/A 8/3 CL/TR /18 WEATHER X1 ORIG E55 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	17.84	36.345	26.36		1517.6							
12.9	OBS	00027	17.74	36.356	26.39		1517.8							
12.9	OBS	00049	17.15	36.369	26.55		1516.5							
12.9	OBS	00075	17.08	36.377	26.57		1516.7							
12.9	OBS	00098	16.98	36.377	26.59		1516.8							
12.9	OBS	00146	16.99	36.370	26.58		1517.6							
12.9	OBS	00196	16.97	36.369	26.59		1518.3							
12.9	OBS	00295	16.92	36.366	26.60		1519.8							
12.9	OBS	00394	16.79	36.331	26.60		1521.0							
12.9	OBS	00493	15.70	36.120	26.69		1519.0							
12.9	OBS	T00593	14.42	35.923	26.83		1516.4							
12.9	OBS	00800	11.34	35.492	27.11		1508.9							
12.9	OBS	01006	07.54	35.183	27.51		1498.0							
12.9	OBS	T01527	04.61	35.039	27.77		1494.8							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTDP 04389 AIR TEMP 17.6 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 04 SHIP S5 WET BULB 16.0 27 4 3 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 06 DATA USE 1 BAROMETR 1015.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53 W HOUR 12.9 AREA 05 CLOUD T/A 9/4 CL/TR WEATHER X1 ORIG E55 008 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	17.68	36.363	26.41		1517.2							
12.9	OBS	00030	17.59	36.369	26.44		1517.4							
12.9	OBS	00055		36.370										
12.9	OBS	00084	17.00	36.369	26.58		1516.6							
12.9	OBS	00109	16.98	36.375	26.59		1516.9							
12.9	OBS	00163	16.98	36.373	26.59		1517.8							
12.9	OBS	T00217	16.98											
12.9	OBS	00325	16.86	36.360	26.61		1520.1							
12.9	OBS	00432	16.48	36.267	26.63		1520.6							
12.9	OBS	00539	15.06	36.030	26.77		1517.7							
12.9	OBS	T00646	13.78	35.833	26.89		1515.1							
12.9	OBS	00865	09.34	35.288	27.31		1502.6							
12.9	OBS	T01080	06.38	35.149	27.64		1494.6							
12.9	OBS	T01624	04.02	34.993	27.80		1493.9							

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REFID 31 1827 YEAR 1971 BOTDP 03475 AIR TEMP 16.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 04 SHIP S5 WET BULB 12.6 03 7 4 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 17.7 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E55 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.7	OBS	00000	17.62	36.379	26.44		1517.0							
17.7	OBS	00028	17.57	36.381	26.45		1517.4							
17.7	OBS	00050	17.49	36.377	26.47		1517.5							
17.7	OBS	00077	17.10	36.379	26.57		1516.8							
17.7	OBS	00100	17.04	36.371	26.57		1517.0							
17.7	OBS	00149	17.04	36.392	26.59		1517.8							
17.7	OBS	T00200	17.02	36.378	26.58		1518.6							
17.7	OBS	00298	16.84	36.355	26.61		1519.6							
17.7	OBS	00394	16.66	36.300	26.61		1520.6							
17.7	OBS	00488	15.39	36.067	26.72		1517.9							
17.7	OBS	T00582	14.27	35.897	26.84		1515.7							
17.7	OBS	00774	11.20	35.466	27.12		1508.0							
17.7	OBS	00971	08.00	35.210	27.46		1499.2							
17.7	OBS	T01451	04.81	35.069	27.77		1494.4							

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REFID 31 1827 YEAR 1971 BOTDP 04206 AIR TEMP 17.1 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 04 SHIP S5 WET BULB 13.5 12 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 08 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR /18 WEATHER X1 ORIG E55 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	17.64	36.349	26.41		1517.1							
12.9	OBS	00022	17.53	36.369	26.45		1517.1							
12.9	OBS	00045		36.373										
12.9	OBS	00067		36.382										
12.9	OBS	00090	16.99	36.376	26.59		1516.7							
12.9	OBS	00135	17.03	36.384	26.59		1517.5							
12.9	OBS	T00184	17.01	36.388	26.59		1518.3							
12.9	OBS	00274	17.03	36.397	26.60		1519.8							
12.9	OBS	00363	17.00	36.375	26.59		1521.2							
12.9	OBS	00457	16.33	36.245	26.65		1520.5							
12.9	OBS	T00547	15.28	36.030	26.72		1518.5							

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REFID 31 1827 YEAR 1971 BOTDP 04572 AIR TEMP 19.0 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 04 SHIP S5 WET BULB 17.5 17 0 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 09 DATA USE 1 BAROMETR 1025.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 13.0 AREA 05 CLOUD T/A 2/7 CL/TR WEATHER X1 ORIG E55 011 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	17.65	36.389	26.39		1517.7							
13.0	OBS	00021	17.61	36.380	26.44		1517.4							
13.0	OBS	00043	17.41	36.386	26.50		1517.1							
13.0	OBS	00064	17.10	36.385	26.57		1516.6							
13.0	OBS	00085	17.03	36.394	26.59		1516.7							
13.0	OBS	00127	17.03	36.401	26.60		1517.4							
13.0	OBS	T00173	17.02	36.395	26.60		1518.1							
13.0	OBS	00256	16.96	36.383	26.60		1519.3							
13.0	OBS	T00339	16.95	36.359	26.59		1520.6							
13.0	OBS	00424	16.28	36.238	26.65		1519.8							
13.0	OBS	T00505	15.31	36.049	26.73		1517.9							
13.0	OBS	00672	13.52	35.806	26.93		1514.6							
13.0	OBS	00851	10.02	35.344	27.24		1504.9							
13.0	OBS	T01319	05.01	35.066	27.75		1493.0							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTDP 04389 AIR TEMP 17.4 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 0[illegible] SHIP S5 WET BULB 13.4 33 4 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 1[illegible] DATA USE 1 BAROMETR 1029.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 11.9 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E55 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.89	36.359	26.36		1517.8							
11.9	OBS	00030	17.55	36.367	26.45		1517.3							
11.9	OBS	00055	17.25	36.367	26.52		1516.8							
11.9	OBS	00085	17.06	36.393	26.59		1516.8							
11.9	OBS	00109	17.04	36.401	26.60		1517.1							
11.9	OBS	00164	17.07	36.394	26.58		1518.1							
11.9	OBS	T00219	17.02	36.397	26.60		1518.9							
11.9	OBS	00329	16.89	36.360	26.60		1520.3							
11.9	OBS	T00439	16.17	36.209	26.65		1519.7							
11.9	OBS	00548	14.82	35.981	26.78		1517.0							
11.9	OBS	T00658	13.49	35.794	26.92		1514.3							
11.9	OBS	00883		35.317										
11.9	OBS	01102	06.27	35.152	27.66		1494.6							
11.9	OBS	T01650	04.22	35.014	27.80		1495.2							

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REFID 31 1827 YEAR 1971 BOTDP 04389 AIR TEMP 16.4 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 04 SHIP S5 WET BULB 12.0 33 5 4 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 11 DATA USE 1 BAROMETR 1029.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 17.2 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E55 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.2	OBS	00000	17.81	36.370	26.39		1517.6							
17.2	OBS	00027	17.60	36.374	26.44		1517.4							
17.2	OBS	00049	17.10	36.381	26.57		1516.3							
17.2	OBS	00076	17.01	36.387	26.59		1516.5							
17.2	OBS	00098	17.00	36.388	26.60		1516.8							
17.2	OBS	00147	17.01	36.384	26.59		1517.7							
17.2	OBS	T00196	16.98	36.397	26.61		1518.4							
17.2	OBS	00292	16.91	36.354	26.59		1519.7							
17.2	OBS	T00386	16.85	36.334	26.59		1521.0							
17.2	OBS	00478	16.16	36.212	26.66		1520.3							
17.2	OBS	T00570	14.96	35.989	26.76		1517.8							
17.2	OBS	00757	11.80	35.544	27.07		1509.9							
17.2	OBS	00943	08.52	35.270	27.43		1500.8							
17.2	OBS	T01412	04.64	35.044	27.77		1493.0							

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REFID 31 1827 YEAR 1971 BOTDP 04389 AIR TEMP 17.0 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 04 SHIP S5 WET BULB 12.5 12 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 12 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 21 W HOUR 13.2 AREA 05 CLOUD T/A 3/7 CL/TR /21 WEATHER X1 ORIG E55 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	17.71	36.362	26.40		1517.3							
13.2	OBS	00028	17.62	36.377	26.44		1517.5							
13.2	OBS	00051		36.380										
13.2	OBS	00079	17.05	36.390	26.59		1516.7							
13.2	OBS	00102	17.04	36.398	26.59		1517.0							
13.2	OBS	00153	16.99	36.383	26.59		1517.7							
13.2	OBS	00204	16.99	36.371	26.59		1518.5							
13.2	OBS	00305	16.93	36.362	26.59		1520.0							
13.2	OBS	T00407	16.78	36.318	26.60		1521.2							
13.2	OBS	00507	15.62	36.110	26.71		1519.0							
13.2	OBS	T00607	14.39	35.936	26.84		1516.6							
13.2	OBS	00811	11.05	35.439	27.13		1508.0							
13.2	OBS	01009	07.99	35.244	27.45		1499.8							
13.2	OBS	T01505	04.61	35.035	27.77		1494.4							

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REFID 31 1827 YEAR 1971 BOTDP 04206 AIR TEMP 17.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 04 SHIP S5 WET BULB 16.1 15 6 3 WIND-SPD 26 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 13 DATA USE 1 BAROMETR 1021.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.3 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 ORIG E55 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	17.48	36.363	26.46		1516.6							
13.3	OBS	00030	17.47	36.388	26.48		1517.1							
13.3	OBS	00055	17.44	36.385	26.49		1517.4							
13.3	OBS	00086	17.07	36.396	26.59		1516.9							
13.3	OBS	00111	17.02	36.398	26.60		1517.1							
13.3	OBS	00166	17.01	36.391	26.60		1518.0							
13.3	OBS	T00222	16.98	36.366	26.58		1518.8							
13.3	OBS	00332	16.91	36.361	26.60		1520.4							
13.3	OBS	T00443	16.26	36.225	26.65		1520.1							
13.3	OBS	00553	14.87	35.990	26.78		1517.3							
13.3	OBS	T00663	13.19	35.756	26.96		1513.3							
13.3	OBS	00889	09.26	35.328	27.35		1502.7							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTDP 04572 AIR TEMP 18.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 04 SHIP S5 WET BULB 16.7 21 3 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 15 DATA USE 1 BAROMETR 1009.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 52 W HOUR 13.2 AREA 05 CLOUD T/A 9/3 CL/TR /20 WEATHER X1 ORIG E55 016 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	17.65	36.365	26.42		1517.1							
13.2	OBS	00029	17.45	36.377	26.48		1517.0							
13.2	OBS	00052	17.14	36.400	26.57		1516.5							
13.2	OBS	00081	17.03	36.400	26.60		1516.7							
13.2	OBS	00104	17.04	36.411	26.60		1517.1							
13.2	OBS	00156	17.06	36.393	26.59		1516.0							
13.2	OBS	T00208	17.00	36.390	26.60		1516.6							
13.2	OBS	00312	16.86	36.367	26.61		1519.9							
13.2	OBS	T00417	16.13	36.206	26.66		1519.2							
13.2	OBS	00521	15.22	36.059	26.76		1517.9							
13.2	OBS	T00625	13.66	35.809	26.90		1514.3							
13.2	OBS	00840	09.89	35.331	27.25		1504.2							
13.2	OBS	T01052	06.69	35.162	27.61		1495.4							
13.2	OBS	T01586	04.31	35.000	27.77		1494.5							

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REFID 31 1827 YEAR 1971 BOTDP 04572 AIR TEMP 17.9 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 04 SHIP S5 WET BULB 15.2 32 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 16 DATA USE 1 BAROMETR 1014.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 13.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E55 017 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	17.64	36.370	26.43		1517.1							
13.2	OBS	00030	17.51	36.368	26.46		1517.2							
13.2	OBS	00055	17.37	36.382	26.50		1517.2							
13.2	OBS	00085	17.00	36.390	26.60		1516.6							
13.2	OBS	00110	16.97	36.379	26.60		1516.9							
13.2	OBS	00164	17.00	36.388	26.60		1517.9							
13.2	OBS	T00219	16.98	36.388	26.60		1518.8							
13.2	OBS	00328	16.84	36.365	26.62		1520.1							
13.2	OBS	T00438	16.15	36.209	26.66		1519.6							
13.2	OBS	00547	14.81	35.992	26.80		1517.0							
13.2	OBS	T00657	13.21	35.738	26.94		1513.3							

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REFID 31 1827 YEAR 1971 BOTDP 04481 AIR TEMP 17.3 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 04 SHIP S5 WET BULB 15.8 32 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 17 DATA USE 1 BAROMETR 1018.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.4 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E55 018 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	17.83	36.371	26.38		1517.6							
12.4	OBS	00028	17.56	36.374	26.45		1517.3							
12.4	OBS	00050	17.49	36.383	26.47		1517.5							
12.4	OBS	00077	17.08	36.404	26.59		1516.7							
12.4	OBS	00100	17.08	36.411	26.59		1517.1							
12.4	OBS	00151	17.00	36.393	26.60		1517.7							
12.4	OBS	T00200	16.99	36.391	26.60		1516.5							
12.4	OBS	00301	16.86	36.370	26.62		1519.7							
12.4	OBS	T00401	16.27	36.238	26.65		1519.4							
12.4	OBS	00500	15.17	36.056	26.77		1517.4							
12.4	OBS	T00598	14.09	35.867	26.86		1515.4							
12.4	OBS	00802	10.12	35.312	27.19		1504.4							
12.4	OBS	01003	07.62	35.201	27.51		1498.3							
12.4	OBS	T01507	04.70											

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REFID 31 1827 YEAR 1971 BOTDP 04572 AIR TEMP 19.0 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 04 SHIP S5 WET BULB 14.6 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 18 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 15.6 AREA 05 CLOUD T/A 2/6 CL/TR WEATHER X1 ORIG E55 019 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.6	OBS	00000	18.15	36.374	26.30		1518.6							
15.6	OBS	00025	17.56	36.373	26.45		1517.3							
15.6	OBS	00050	17.55	36.375	26.45		1517.7							
15.6	OBS	00075	17.23	36.375	26.53		1517.1							
15.6	OBS	00100	16.98	36.377	26.59		1516.8							
15.6	OBS	00150	16.95	36.380	26.60		1517.5							

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TABLE XXXIV.—Continued

REFID 31 1827	YEAR 1971	BOTDP 03384	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1206
CONSEC 0020	MONTH 04	SHIP S5	WET BULB 17.2	14 2 2	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 19	DATA USE 1	BAROMETR 1015.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 13.2	AREA 05	CLOUD T/A 3/8	CL/TR /14	WEATHER X2	GRID E55 020	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	17.75	36.381	26.41		1517.4							
13.2	OBS	00028	17.37	36.387	26.51		1516.8							
13.2	OBS	00051	17.32	36.394	26.52		1517.0							
13.2	OBS	00078	17.03	36.399	26.60		1516.6							
13.2	OBS	00101	17.04	36.404	26.60		1517.0							
13.2	OBS	00152	17.02	36.396	26.60		1517.8							
13.2	OBS	T00203	16.97	36.390	26.60		1518.5							
13.2	OBS	00305	16.88	36.376	26.62		1519.9							
13.2	OBS	T00405	16.13	36.216	26.67		1519.0							
13.2	OBS	00506	15.09	36.044	26.77		1517.3							
13.2	OBS	T00607	13.70	35.805	26.85		1514.2							
13.2	OBS	00816	09.98	35.319	27.22		1504.1							
13.2	OBS	T01023	07.14	35.179	27.56		1496.7							
13.2	OBS	T01556	04.38	35.016	27.78		1494.3							

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REFID 31 1827	YEAR 1971	BOTDP 04023	AIR TEMP 19.5	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1206
CONSEC 0021	MONTH 04	SHIP S5	WET BULB 18.2	20 9 4	WIND-SPD 17	TRACE DIR	5 SQUARE 2
LAT 34 49 N	DAY 20	DATA USE 1	BAROMETR 1004.1	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 50 W	HOUR 22.6	AREA 05	CLOUD T/A 3/7	CL/TR	WEATHER X1	ORIG E55 021	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.6	OBS	00000	18.04	36.341	26.31		1518.2							
22.6	OBS	00029		36.376										
22.6	OBS	00053	17.08	36.415	26.60		1516.4							
22.6	OBS	00082	17.06	36.394	26.59		1516.8							
22.6	OBS	00106	17.04	36.403	26.60		1517.1							
22.6	OBS	00159	17.04	36.389	26.59		1518.0							
22.6	OBS	T00212	17.00	36.394	26.60		1518.7							
22.6	OBS	00320	16.93	36.379	26.61		1520.3							
22.6	OBS	00429	16.23	36.214	26.64		1519.7							
22.6	OBS	00537	15.00	36.006	26.76		1517.4							
22.6	OBS	00645	13.59	35.806	26.91		1514.4							

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TABLE XXXV.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station ECHO, 22 April 1971 - 15 May 1971, prepared from NODC listing No. 31 - 8272.

REFID 31 8272	YEAR 1971	BOTDP 03429	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 04	SHIP OG	WET BULB 17.0	23 4 3	WIND-SPD 11	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 22	DATA USE 1	BAROMETR 1019.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 049 25 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E56 001	1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	17.94											
	OBS	00010	17.74											
	OBS	00020	17.56											
	OBS	00030	17.45											
	OBS	00050	17.14											
	OBS	00075	17.09											
	OBS	00100	17.07											
	OBS	00125	17.04											
	OBS	00150	17.02											
	OBS	00200	16.98											
	OBS	00250	16.95											
	OBS	00300	16.92											
	OBS	00350	16.70											
	OBS	00400	16.08											
	OBS	00487	14.97											
	OBS	00500	15.03											
	OBS	00600	13.35											
	OBS	00700	11.78											
	OBS	00800	10.40											
	OBS	00900	08.73											
	OBS	01000	07.47											
	OBS	01100	06.71											
	OBS	01200	05.74											
	OBS	01300	05.32											
	OBS	01343	04.77											
	OBS	01390	04.99											
	OBS	01400	04.95											
	OBS	01500	04.63											

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REFID 31 8272	YEAR 1971	BOTDP 04389	AIR TEMP 19.0	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 04	SHIP OG	WET BULB 17.2	21 1 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 23	DATA USE 1	BAROMETR 1020.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E56 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.95											
	OBS	00010	17.70											
	OBS	00020	17.66											
	OBS	00030	17.63											
	OBS	00050	17.35											
	OBS	00075	17.15											
	OBS	00100	17.09											
	OBS	00125	17.05											
	OBS	00150	17.05											
	OBS	00200	17.03											
	OBS	00250	17.01											
	OBS	00300	16.99											
	OBS	00400	16.54											
	OBS	00500	15.16											
	OBS	00600	13.65											
	OBS	00700	11.85											
	OBS	00800	09.99											
	OBS	00900	07.80											
	OBS	01000	06.69											
	OBS	01100	05.89											
	OBS	01200	05.26											
	OBS	01300	04.99											
	OBS	01400	04.61											
	OBS	01500	04.32											
	OBS	01750	04.09											
	OBS	02000	03.85											
	OBS	02500	03.27											
	OBS	03000	02.90											

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TABLE XXXV.—Continued

REFID 31 8272	YEAR 1971	BOTDP 03200	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 04	SHIP DG	WET BULB 17.6	21 2 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 23	DATA USE 1	BAROMETR 1020.4	SEA	WIND-FDR	DURATION 00.2	2 SQUARE 46
LONG 047 42 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E56 003	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	18.07											
	OBS	00010	17.61											
	OBS	00020	17.56											
	OBS	00030	17.55											
	OBS	00050	17.40											
	OBS	00075	17.12											
	OBS	00100	17.09											
	OBS	00125	17.05											
	OBS	00150	17.04											
	OBS	00200	17.02											
	OBS	00250	16.98											
	OBS	00300	16.95											
	OBS	00400	16.20											
	OBS	00500	14.94											
	OBS	00600	13.30											
	OBS	00700	11.35											
	OBS	00800	09.24											
	OBS	00900	06.99											
	OBS	01000	05.97											
	OBS	01070	05.36											
	OBS	01100	05.44											
	OBS	01145	05.42											
	OBS	01200	04.94											
	OBS	01230	04.69											
	OBS	01300	04.60											
	OBS	01400	04.30											
	OBS	01500	04.18											

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REFID 31 8272	YEAR 1971	BOTDP 05000	AIR TEMP 19.9	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 04	SHIP DG	WET BULB 18.5	21 2 2	WIND-SPD 22	TRACE DIR D	5 SQUARE 4
LAT 37 47 N	DAY 24	DATA USE 1	BAROMETR 1020.2	SEA	WIND-FDR	DURATION 00.7	2 SQUARE 68
LONG 048 05 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E56 004	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.09											
	OBS	00010	18.09											
	OBS	00020	18.08											
	OBS	00030	17.80											
	OBS	00050	17.65											
	OBS	00075	17.12											
	OBS	00100	17.04											
	OBS	00125	17.01											
	OBS	00150	17.00											
	OBS	00200	16.94											
	OBS	00250	16.96											
	OBS	00300	16.93											
	OBS	00400	16.65											
	OBS	00500	15.35											
	OBS	00600	14.04											
	OBS	00700	11.95											
	OBS	00800	10.04											
	OBS	00900	08.69											
	OBS	01000	07.40											
	OBS	01100	06.29											
	OBS	01200	05.81											
	OBS	01300	05.17											
	OBS	01400	04.88											
	OBS	01500	04.64											
	OBS	01750	04.11											
	OBS	02000	03.94											
	OBS	02500	03.41											
	OBS	03000	03.06											

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDP 04572 AIR TEMP 19.3 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 04 SHIP DG WET BULB 18.4 22 2 2 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 34 50 N DAY 25 DATA USE 1 BAROMETR 1021.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 52 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	18.35	36.35	26.24		1519.1							
	OBS	00010	18.35	36.34	26.23		1519.3							
	OBS	00020	17.91	36.35	26.35		1518.2							
	OBS	00030	17.74	36.35	26.39		1517.8							
	OBS	00050	17.60	36.36	26.43		1517.8							
	OBS	00075	17.28	36.35	26.50		1517.2							
	OBS	00100	17.09	36.36	26.55		1517.1							
	OBS	00125	17.00	36.36	26.57		1517.2							
	OBS	00150	17.00	36.36	26.57		1517.6							
	OBS	00200	16.99	36.37	26.58		1518.5							
	OBS	00250	16.96	36.37	26.59		1519.2							
	OBS	00300	16.90	36.37	26.61		1519.8							
	OBS	00400	16.35	36.24	26.64		1519.7							
	OBS	00500	15.11	36.01	26.74		1517.2							
	OBS	00600	13.90	35.81	26.85		1514.7							
	OBS	00700	12.00	35.50	27.00		1509.6							
	OBS	00800	09.54	35.26	27.25		1502.2							
	OBS	00850	08.59	35.20	27.36		1499.4							
	OBS	00900	08.00	35.22	27.47		1498.0							
	OBS	00950	07.21	35.07	27.46		1495.6							
	OBS	01000	06.74	35.14	27.59		1494.7							
	OBS	01100	05.91	35.09	27.66		1493.0							
	OBS	01200	05.44	35.05	27.68		1492.7							
	OBS	01240	04.99	35.00	27.70		1491.5							
	OBS	01300	04.80	34.98	27.70		1491.7							
	OBS	01380	04.61	34.97	27.72		1492.2							
	OBS	01400	04.74	35.00	27.73		1493.1							
	OBS	01500	04.66	35.00	27.74		1494.5							

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REFID 31 6272 YEAR 1971 BOTDP 04572 AIR TEMP 20.0 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 04 SHIP DG WET BULB 18.7 22 2 2 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
LAT 34 54 N DAY 25 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOR DURATION 00.7 2 SQUARE 46
LONG 047 45 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.13	36.37	26.31		1518.5							
	OBS	00010	18.14	36.37	26.30		1518.7							
	OBS	00020	18.13	36.36	26.30		1518.8							
	OBS	00030	18.11	36.38	26.32		1519.0							
	OBS	00050	18.00	36.38	26.35		1519.0							
	OBS	00075	17.54	36.41	26.48		1518.1							
	OBS	00100	17.46	36.39	26.49		1518.2							
	OBS	00125	17.25	36.39	26.54		1518.0							
	OBS	00150	17.12	36.38	26.56		1518.0							
	OBS	00200	17.05	36.38	26.58		1518.6							
	OBS	00250	16.98	36.37	26.59		1519.2							
	OBS	00300	16.92	36.35	26.59		1519.9							
	OBS	00400	16.08	36.18	26.65		1518.8							
	OBS	00500	14.87	35.95	26.75		1516.4							
	OBS	00600	13.62	35.73	26.85		1513.7							
	OBS	00700	11.24	35.41	27.07		1506.8							
	OBS	00800	08.63	35.14	27.31		1498.7							
	OBS	00900	06.73	35.02	27.49		1492.8							
	OBS	01000	05.93	35.03	27.61		1491.3							
	OBS	01100	05.31	35.01	27.67		1490.5							
	OBS	01200	04.87	34.98	27.70		1490.3							
	OBS	01300	04.57	34.96	27.71		1490.7							
	OBS	01400	04.37	34.95	27.73		1491.6							
	OBS	01500	04.22	34.95	27.74		1492.6							
	OBS	01580	04.15	34.94	27.74		1493.7							
	OBS	01720	04.27	34.99	27.77		1496.6							
	OBS	01750	04.21	34.99	27.78		1496.8							
	OBS	02000	03.88	34.97	27.80		1499.7							
	OBS	02500	03.40	34.96	27.84		1506.2							
	OBS	03000	02.95	34.93	27.86		1512.8							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDP 04938 AIR TEMP 19.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0007 MONTH 04 SHIP DG WET BULB 18.7 22 3 2 WIND-SPD 19 TRACE DIR D 5 SQUARE 2
LAT 34 44 N DAY 25 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 40 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 007 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.59											
	OBS	00010	18.60											
	OBS	00020	18.59											
	OBS	00030	18.60											
	OBS	00050	18.10											
	OBS	00075	17.64											
	OBS	00100	17.12	36.33	26.52		1517.1							
	OBS	00125	16.91	36.30	26.55		1516.9							
	OBS	00150	16.87	36.31	26.57		1517.2							
	OBS	00200	16.70	36.30	26.60		1517.5							
	OBS	00250	16.48	36.26	26.62		1517.6							
	OBS	00300	16.00	36.18	26.67		1516.9							
	OBS	00400	15.09	36.02	26.76		1515.5							
	OBS	00500	14.00	35.84	26.85		1513.4							
	OBS	00600	12.45	35.60	26.99		1509.6							
	OBS	00700	10.66	35.31	27.10		1504.6							
	OBS	00800	08.64	35.10	27.27		1498.6							
	OBS	00900	06.75	35.03	27.50		1492.9							
	OBS	01000	05.97	35.04	27.61		1491.5							
	OBS	01100	05.29	35.01	27.67		1490.4							
	OBS	01200	04.90	35.00	27.71		1490.4							
	OBS	01300	04.64	34.98	27.72		1491.0							
	OBS	01400	04.40	34.96	27.73		1491.7							
	OBS	01500	04.33	34.95	27.73		1493.1							

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REFID 31 8272 YEAR 1971 BOTDP 04572 AIR TEMP 20.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0008 MONTH 04 SHIP DG WET BULB 18.8 21 3 2 WIND-SPD 25 TRACE DIR D 5 SQUARE 2
LAT 34 48 N DAY 26 DATA USE 1 BAROMETR 1017.4 SEA WIND-FOR DURATION 01.0 2 SQUARE 46
LONG 047 54 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 008 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	18.24	36.40	26.30		1518.9							
	OBS	00010	18.23	36.40	26.30		1519.0							
	OBS	00020	18.14	36.39	26.32		1518.9							
	OBS	00030	17.74	36.40	26.43		1517.9							
	OBS	00050	17.42	36.38	26.49		1517.3							
	OBS	00075	17.14	36.39	26.56		1516.9							
	OBS	00100	17.14	36.42	26.59		1517.3							
	OBS	00125	17.11	36.41	26.59		1517.6							
	OBS	00150	17.07	36.41	26.60		1517.9							
	OBS	00200	17.04	36.42	26.61		1518.7							
	OBS	00250	17.02	36.42	26.62		1519.4							
	OBS	00300	16.97	36.40	26.61		1520.1							
	OBS	00400	16.06	36.21	26.68		1518.7							
	OBS	00500	14.73	35.98	26.80		1515.9							
	OBS	00600	13.28	35.76	26.94		1512.6							
	OBS	00700	11.03	35.41	27.11		1506.1							
	OBS	00800	08.95	35.21	27.31		1499.9							
	OBS	00900	07.39	35.20	27.54		1495.7							
	OBS	01000	06.47	35.17	27.65		1493.7							
	OBS	01100	05.76	35.12	27.70		1492.4							
	OBS	01200	05.19	35.08	27.74		1491.8							
	OBS	01300	04.61	35.01	27.75		1491.0							
	OBS	01400	04.41	34.99	27.76		1491.8							
	OBS	01500	04.27	34.98	27.76		1492.9							
	OBS	01750	04.01	34.99	27.80		1496.0							
	OBS	01810	04.09	35.00	27.80		1497.4							
	OBS	02000	03.85	34.99	27.82		1499.6							
	OBS	02500	03.35	34.96	27.84		1506.0							
	OBS	03000	02.95	34.94	27.86		1512.9							

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TABLE XXXV.—Continued

REFID 31 8272	YEAR 1971	BOTDP 04572	AIR TEMP 19.7	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 04	SHIP DG	WET BULB 18.5	23 3 2	WIND-SPD 22	TRACE DIR D	5 SQUARE 2
LAT 34 54 N	DAY 26	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 03 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E56 009	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	18.24											
	OBS	00010	18.24											
	OBS	00020	18.24											
	OBS	00030	18.24											
	OBS	00050	17.84											
	OBS	00075	17.61											
	OBS	00100	17.40											
	OBS	00125	17.17											
	OBS	00150	17.08											
	OBS	00200	17.04											
	OBS	00250	17.04											
	OBS	00300	16.94											
	OBS	00370	16.68											
	OBS	00400	16.38											
	OBS	00480	15.23											
	OBS	00500	15.18											
	OBS	00600	13.75											
	OBS	00700	11.66											
	OBS	00800	09.62											
	OBS	00900	08.11											
	OBS	00960	07.04											
	OBS	00970	07.19											
	OBS	01000	06.86											
	OBS	01100	06.12											
	OBS	01200	05.43											
	OBS	01300	05.11											
	OBS	01400	04.71											
	OBS	01500	04.57											

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REFID 31 8272	YEAR 1971	BOTDP 04938	AIR TEMP 19.9	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 04	SHIP DG	WET BULB 18.8	19 5 3	WIND-SPD 28	TRACE DIR D	5 SQUARE 2
LAT 34 50 N	DAY 27	DATA USE 1	BAROMETR 1014.4	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 07 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E56 010	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	18.15											
	OBS	00010	18.15											
	OBS	00020	18.15											
	OBS	00030	18.15											
	OBS	00050	18.10											
	OBS	00075	17.75											
	OBS	00100	17.58											
	OBS	00125	17.24											
	OBS	00150	17.14											
	OBS	00200	17.00											
	OBS	00250	16.91											
	OBS	00300	16.70											
	OBS	00400	15.87											
	OBS	00500	15.00											
	OBS	00600	13.70											
	OBS	00700	12.28											
	OBS	00800	09.94											
	OBS	00840	09.12											
	OBS	00852	09.10											
	OBS	00900	08.65											
	OBS	01000	07.20											
	OBS	01100	06.29											
	OBS	01200	05.61											
	OBS	01300	05.07											
	OBS	01316	05.01											
	OBS	01400	04.77											
	OBS	01500	04.46											

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDP 04389 AIR TEMP 19.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 04 SHIP DG WET BULB 18.8 19 4 3 WIND-SPD 26 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 28 DATA USE 1 BAROMETR 1012.3 SEA WIND-FOR DURATION 00.9 2 SQUARE 48
LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E56 011 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.31											
	OBS	00010	18.31											
	OBS	00020	18.29											
	OBS	00030	17.72											
	OBS	00050	17.60											
	OBS	00075	17.32											
	OBS	00100	17.21											
	OBS	00125	17.12											
	OBS	00150	17.06											
	OBS	00200	16.97											
	OBS	00250	16.84											
	OBS	00300	16.73											
	OBS	00400	15.76											
	OBS	00500	14.35											
	OBS	00600	12.89											
	OBS	00700	11.11											
	OBS	00800	09.02											
	OBS	00900	07.15											
	OBS	00960	06.52											
	OBS	00980	06.69											
	OBS	01000	06.54											
	OBS	01100	05.87											
	OBS	01200	05.33											
	OBS	01300	04.92											
	OBS	01400	04.37											
	OBS	01430	04.68											
	OBS	01500	04.43											
	OBS	01750	04.15											
	OBS	02000	03.82											
	OBS	02500	03.29											
	OBS	03000	02.95											

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REFID 31 8272 YEAR 1971 BOTDP 04938 AIR TEMP 18.8 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0012 MONTH 04 SHIP DG WET BULB 15.3 25 3 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 47 N DAY 28 DATA USE 1 BAROMETR 1010.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 03 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	.DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	18.25	36.25	26.18		1518.7							
	OBS	00010	18.26	36.26	26.19		1518.9							
	OBS	00020	18.25	36.29	26.21		1519.1							
	OBS	00030	18.01	36.36	26.33		1518.6							
	OBS	00050	17.76	36.38	26.41		1518.3							
	OBS	00075	17.52	36.37	26.46		1518.0							
	OBS	00100	17.34	36.37	26.50		1517.8							
	OBS	00125	17.27	36.38	26.52		1518.1							
	OBS	00150	17.14	36.38	26.56		1518.1							
	OBS	00200	17.04	36.39	26.59		1518.6							
	OBS	00250	16.95	36.38	26.60		1519.2							
	OBS	00300	16.74	36.34	26.62		1519.3							
	OBS	00350	16.48	36.28	26.64		1519.3							
	OBS	00400	15.96	36.18	26.68		1518.4							
	OBS	00500	14.56	35.94	26.81		1515.4							
	OBS	00600	13.17	35.72	26.93		1512.2							
	OBS	00660	12.45	35.56	26.95		1510.5							
	OBS	00700	11.17	35.42	27.05		1506.6							
	OBS	00800	08.99	35.20	27.30		1500.1							
	OBS	00833	08.43	35.17	27.36		1498.5							
	OBS	00900	07.90	35.20	27.47		1497.6							
	OBS	01000	06.66	35.16	27.61		1494.4							
	OBS	01100	05.76	35.11	27.69		1492.4							
	OBS	01200	05.27	35.07	27.72		1492.1							
	OBS	01300	04.88	35.04	27.74		1492.1							
	OBS	01400	04.66	35.02	27.75		1492.8							
	OBS	01500	04.41	35.02	27.78		1493.5							

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TABLE XXXV.—Continued

REFID 31 8272	YEAR 1971	BGTDP 04938	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0013	MONTH 04	SHIP DG	WET BULB 14.7	25 2 4	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 34 52 N	DAY 29	DATA USE 1	BAROMETR 1019.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 58 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E56 013	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.8	OBS	00000	18.33	36.31	26.21		1519.0							
	OBS	00010	18.33	36.34	26.23		1519.2							
	OBS	00020	18.32	36.36	26.25		1519.4							
	OBS	00030	18.32	36.37	26.26		1519.5							
	OBS	00050	18.26	36.38	26.28		1519.7							
	OBS	00075	17.77	36.43	26.44		1518.8							
	OBS	00100	17.72	36.41	26.44		1519.0							
	OBS	00125	17.37	36.40	26.52		1518.4							
	OBS	00150	17.28	36.39	26.53		1518.5							
	OBS	00200	16.91	36.35	26.59		1518.2							
	OBS	00250	16.74	36.35	26.63		1518.5							
	OBS	00300	16.76	36.35	26.62		1519.4							
	OBS	00360	16.57	36.32	26.65		1519.8							
	OBS	00400	16.09	36.22	26.68		1518.8							
	OBS	00500	14.49	35.96	26.84		1515.2							
	OBS	00600	13.19	35.77	26.97		1512.3							
	OBS	00700	11.35	35.47	27.10		1507.3							
	OBS	00800	09.18	35.23	27.29		1500.8							
	OBS	00820	08.89	35.16	27.28		1500.0							
	OBS	00900	07.73	35.17	27.47		1496.9							
	OBS	00910	07.51	35.15	27.48		1496.2							
	OBS	00920	07.63	35.21	27.51		1496.9							
	OBS	01000	06.77	35.18	27.61		1494.9							
	OBS	01100	06.01	35.15	27.69		1493.5							
	OBS	01200	05.33	35.10	27.74		1492.3							
	OBS	01300	04.91	35.07	27.76		1492.3							
	OBS	01400	04.76	35.05	27.76		1493.3							
	OBS	01450	04.32	35.00	27.77		1492.3							
	OBS	01500	04.23	35.00	27.78		1492.7							
	OBS	01750	03.95	34.99	27.80		1495.3							
	OBS	01780	03.94	34.98	27.80		1496.2							
	OBS	01850	04.03	35.00	27.80		1497.8							
	OBS	02000	03.78	34.98	27.81		1499.3							
	OBS	02500	03.37	34.98	27.86		1506.1							
	OBS	03000	02.93	34.96	27.88		1512.8							

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REFID 31 8272	YEAR 1971	BGTDP 04755	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0014	MONTH 04	SHIP DG	WET BULB 15.1	27 2 4	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 34 49 N	DAY 29	DATA USE 1	BAROMETR 1020.9	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 48
LONG 048 13 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E56 014	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	OBS	00000	18.06	36.27	26.25		1518.2							
	OBS	00010	18.05	36.27	26.25		1518.3							
	OBS	00020	18.00	36.30	26.28		1518.4							
	OBS	00030	17.98	36.31	26.30		1518.5							
	OBS	00050	17.90	36.36	26.36		1518.7							
	OBS	00075	17.37	36.36	26.49		1517.5							
	OBS	00100	17.21	36.35	26.52		1517.4							
	OBS	00125	17.13	36.34	26.53		1517.6							
	OBS	00150	17.17	36.39	26.56		1518.2							
	OBS	00200	17.05	36.38	26.58		1518.6							
	OBS	00250	16.96	36.36	26.58		1519.2							
	OBS	00300	16.78	36.33	26.60		1519.4							
	OBS	00400	16.14	36.17	26.63		1518.9							
	OBS	00500	14.82	35.96	26.77		1516.2							
	OBS	00550	14.59	35.96	26.82		1516.3							
	OBS	00600	13.50	35.75	26.85		1513.3							
	OBS	00700	11.60	35.48	27.06		1508.2							
	OBS	00800	09.53	35.23	27.23		1502.1							
	OBS	00830	09.35	35.18	27.27		1501.9							
	OBS	00851	08.70	35.15	27.30		1499.8							
	OBS	00900	07.96	35.10	27.38		1497.7							
	OBS	01000	07.15	35.17	27.55		1496.3							
	OBS	01100	06.11	35.10	27.64		1493.8							
	OBS	01200	05.61	35.07	27.68		1493.4							
	OBS	01300	05.17	35.05	27.72		1493.3							
	OBS	01400	04.75	35.01	27.73		1493.2							
	OBS	01500	04.49	34.99	27.75		1493.8							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDP 04663 AIR TEMP 19.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0015 MONTH 04 SHIP DG WET BULB 18.0 21 1 2 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 34 52 N DAY 30 DATA USE 1 BAROMETR 1017.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 046 07 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E56 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	18.35	36.29	26.15		1519.0							
	OBS	00010	18.35	36.30	26.20		1519.2							
	OBS	00020	18.35	36.33	26.22		1519.4							
	OBS	00030	18.33	36.35	26.24		1519.6							
	OBS	00050	17.85	36.36	26.37		1518.5							
	OBS	00075	17.64	36.38	26.43		1518.3							
	OBS	00100	17.40	36.40	26.51		1518.1							
	OBS	00125	17.13	36.35	26.54		1517.6							
	OBS	00150	17.07	36.36	26.56		1517.9							
	OBS	00200	16.94	36.36	26.59		1518.3							
	OBS	00250	16.81	36.32	26.59		1516.7							
	OBS	00300	16.62	36.30	26.62		1518.9							
	OBS	00400	15.79	36.15	26.70		1517.8							
	OBS	00500	14.68	35.96	26.80		1515.8							
	OBS	00600	13.29	35.72	26.91		1512.6							
	OBS	00700	11.85	35.54	27.06		1509.1							
	OBS	00800	09.63	35.20	27.19		1502.4							
	OBS	00860	08.25	35.12	27.35		1498.2							
	OBS	00900	07.84	35.14	27.43		1497.3							
	OBS	00960	07.11	35.09	27.49		1495.4							
	OBS	01000	06.89	35.15	27.57		1495.3							
	OBS	01100	06.14	35.11	27.64		1494.0							
	OBS	01200	05.42	35.07	27.70		1492.7							
	OBS	01300	04.83	35.03	27.74		1491.9							
	OBS	01400	04.52	35.00	27.75		1492.2							
	OBS	01500	04.29	34.97	27.75		1492.9							
	OBS	01750	04.05	34.97	27.78		1496.1							
	OBS	02000	03.86	34.97	27.80		1499.6							
	OBS	02500	03.34	34.95	27.83		1505.9							
	OBS	03000	02.88	34.91	27.85		1512.5							

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REFID 31 8272 YEAR 1971 BOTDP 04320 AIR TEMP 19.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0016 MONTH 04 SHIP DG WET BULB 18.8 23 4 3 WIND-SPD 24 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 30 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 04 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E56 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	18.33	36.33	26.23		1519.0							
	OBS	00010	18.33	36.33	26.23		1519.2							
	OBS	00020	18.33	36.32	26.22		1519.4							
	OBS	00030	18.27	36.32	26.23		1519.3							
	OBS	00050	17.55	36.40	26.47		1517.7							
	OBS	00075	17.49	36.41	26.49		1517.9							
	OBS	00100	17.39	36.42	26.53		1518.1							
	OBS	00125	17.36	36.42	26.53		1518.4							
	OBS	00150	17.31	36.42	26.55		1518.6							
	OBS	00200	17.12	36.40	26.58		1518.9							
	OBS	00220	17.06	36.39	26.58		1519.0							
	OBS	00250	17.04	36.41	26.60		1519.5							
	OBS	00270	17.05	36.42	26.61		1519.8							
	OBS	00300	16.97	36.40	26.61		1520.1							
	OBS	00400	16.51	36.27	26.62		1520.2							
	OBS	00500	14.94	35.99	26.77		1516.6							
	OBS	00600	13.81	35.83	26.89		1514.4							
	OBS	00700	12.17	35.58	27.02		1510.3							
	OBS	00800	10.15	35.36	27.23		1504.5							
	OBS	00900	07.74	35.10	27.41		1496.9							
	OBS	01000	06.32	35.04	27.56		1492.9							
	OBS	01030	06.22	35.04	27.58		1493.0							
	OBS	01070	05.61	35.03	27.65		1491.2							
	OBS	01080	05.67	35.03	27.64		1491.6							
	OBS	01100	05.49	35.07	27.69		1491.3							
	OBS	01120	05.84	35.11	27.68		1493.1							
	OBS	01200	05.38	35.09	27.72		1492.5							
	OBS	01300	05.08	35.07	27.74		1493.0							
	OBS	01400	04.86	35.05	27.75		1493.7							
	OBS	01500	04.76	35.04	27.76		1495.0							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDP 03983 AIR TEMP 19.2 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206
CONSEC 0017 MONTH 05 SHIP DG WET BULB 16.2 24 4 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 01 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E56 017 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	18.15	36.33	26.27		1518.5							
	OBS	00010	18.14	36.32	26.27		1518.6							
	OBS	00020	18.11	36.32	26.27		1518.7							
	OBS	00030	18.09	36.34	26.29		1518.8							
	OBS	00050	17.85	36.42	26.41		1518.6							
	OBS	00075	17.46	36.45	26.53		1517.9							
	OBS	00100	17.39	36.45	26.55		1518.1							
	OBS	00125	17.28	36.44	26.57		1518.2							
	OBS	00150	17.23	36.44	26.58		1518.4							
	OBS	00200	17.04	36.43	26.62		1518.7							
	OBS	00250	16.98	36.42	26.63		1519.3							
	OBS	00300	16.93	36.43	26.65		1520.0							
	OBS	00400	16.66	36.35	26.65		1520.7							
	OBS	00500	14.90	36.02	26.80		1516.5							
	OBS	00600	13.94	35.87	26.89		1514.9							
	OBS	00700	11.76	35.55	27.08		1508.8							
	OBS	00800	10.23	35.40	27.24		1504.9							
	OBS	00900	08.21	35.22	27.43		1498.8							
	OBS	00970	07.77	35.27	27.54		1498.4							
	OBS	01000	07.24	35.21	27.57		1496.8							
	OBS	01100	05.61	35.07	27.68		1491.8							
	OBS	01200	05.11	35.07	27.74		1491.4							
	OBS	01240	05.31	35.11	27.75		1492.9							
	OBS	01300	05.11	35.07	27.74		1493.1							
	OBS	01358	04.53	35.02	27.77		1491.6							
	OBS	01400	04.42	35.01	27.77		1491.8							
	OBS	01480	04.25	35.00	27.78		1492.5							
	OBS	01500	04.29	35.02	27.79		1493.0							
	OBS	01520	04.39	35.02	27.78		1493.7							
	OBS	01750	04.15	35.01	27.80		1496.6							
	OBS	02000	03.91	34.99	27.81		1499.8							
	OBS	02500	03.35	34.99	27.87		1506.0							
	OBS	03000	02.94	34.96	27.88		1512.8							

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REFID 31 8272 YEAR 1971 BOTDP 04206 AIR TEMP 16.4 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 05 SHIP DG WET BULB 15.0 26 3 4 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 01 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 00 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E56 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	OBS	00000	18.25	36.34	26.25		1518.8							
	OBS	00010	18.25	36.34	26.25		1519.0							
	OBS	00020	18.24	36.34	26.26		1519.1							
	OBS	00030	18.21	36.35	26.27		1519.2							
	OBS	00050	18.01	36.36	26.33		1519.0							
	OBS	00075	17.53	36.41	26.48		1518.0							
	OBS	00100	17.42	36.41	26.51		1518.1							
	OBS	00125	17.33	36.40	26.53		1518.3							
	OBS	00150	17.28	36.40	26.54		1518.5							
	OBS	00200	17.13	36.38	26.56		1518.9							
	OBS	00250	17.06	36.38	26.58		1519.5							
	OBS	00300	17.02	36.38	26.59		1520.2							
	OBS	00360	16.92	36.35	26.59		1520.8							
	OBS	00400	16.65	36.29	26.60		1520.6							
	OBS	00500	15.37	36.05	26.72		1518.0							
	OBS	00600	13.60	35.76	26.88		1513.7							
	OBS	00670	13.01	35.66	26.92		1512.7							
	OBS	00700	12.35	35.59	27.00		1510.9							
	OBS	00800	10.28	35.36	27.20		1505.0							
	OBS	00900	07.84	35.08	27.38		1497.2							
	OBS	01000	06.42	35.03	27.54		1493.3							
	OBS	01050	06.11	35.07	27.61		1492.9							
	OBS	01065	06.31	35.11	27.62		1494.0							
	OBS	01100	06.03	35.10	27.65		1493.5							
	OBS	01200	05.49	35.08	27.70		1493.0							
	OBS	01300	05.10	35.05	27.72		1493.0							
	OBS	01400	04.77	35.03	27.75		1493.3							
	OBS	01500	04.63	35.02	27.75		1494.4							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDP 03749 AIR TEMP 19.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206
CONSEC 0019 MONTH 05 SHIP DG WET BULB 18.6 22 2 2 WIND-SPD 25 TRACE DIR D 5 SQUARE 2
LAT 34 52 N DAY 02 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 03 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E56 019 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.30	36.32	26.22		1518.9							
	OBS	00010	18.27	36.32	26.23		1519.0							
	OBS	00020	18.25	36.33	26.25		1519.1							
	OBS	00030	18.23	36.33	26.25		1519.2							
	OBS	00050	18.19	36.32	26.25		1519.4							
	OBS	00075	17.53	36.40	26.48		1518.0							
	OBS	00100	17.44	36.40	26.50		1518.2							
	OBS	00125	17.33	36.40	26.53		1518.3							
	OBS	00150	17.25	36.38	26.53		1518.4							
	OBS	00200	17.08	36.37	26.56		1518.7							
	OBS	00250	17.00	36.37	26.58		1519.3							
	OBS	00300	16.96	36.38	26.60		1520.0							
	OBS	00400	16.64	36.30	26.61		1520.6							
	OBS	00500	14.99	35.99	26.75		1516.8							
	OBS	00600	13.18	35.72	26.93		1512.2							
	OBS	00700	11.87	35.55	27.06		1509.2							
	OBS	00800	10.21	35.36	27.22		1504.8							
	OBS	00900	07.92	35.09	27.38		1497.6							
	OBS	01000	06.23	35.03	27.57		1492.5							
	OBS	01100	05.89	35.11	27.67		1493.0							
	OBS	01120	05.54	35.06	27.68		1491.8							
	OBS	01150	05.63	35.10	27.70		1492.7							
	OBS	01200	05.42	35.08	27.71		1492.7							
	OBS	01300	04.99	35.05	27.74		1492.6							
	OBS	01400	04.64	35.02	27.75		1492.8							
	OBS	01460	04.40	34.98	27.75		1492.7							
	OBS	01500	04.55	35.02	27.76		1494.1							
	OBS	01520	04.40	34.99	27.76		1493.7							
	OBS	01560	04.21	34.97	27.76		1493.6							
	OBS	01750	04.12	34.98	27.78		1496.4							
	OBS	02000	03.79	34.98	27.81		1499.3							
	OBS	02500	03.34	34.97	27.85		1505.9							
	OBS	03000	02.94	34.94	27.86		1512.8							

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REFID 31 8272 YEAR 1971 BOTDP 04389 AIR TEMP 19.6 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0020 MONTH 05 SHIP DG WET BULB 18.7 23 2 3 WIND-SPD 21 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 03 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 57 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 020 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.23	36.29	26.22		1518.7							
	OBS	00010	18.22	36.29	26.22		1518.8							
	OBS	00020	18.22	36.29	26.22		1519.0							
	OBS	00030	18.22	36.29	26.22		1519.2							
	OBS	00050	18.04	36.31	26.28		1519.0							
	OBS	00058	17.63	36.37	26.43		1518.0							
	OBS	00075	17.47	36.39	26.48		1517.8							
	OBS	00100	17.29	36.39	26.53		1517.7							
	OBS	00125	17.14	36.38	26.56		1517.7							
	OBS	00150	17.09	36.38	26.57		1517.9							
	OBS	00200	17.04	36.38	26.58		1518.6							
	OBS	00250	16.99	36.39	26.60		1519.3							
	OBS	00300	16.95	36.38	26.60		1520.0							
	OBS	00350	16.85	36.35	26.60		1520.5							
	OBS	00400	16.47	36.28	26.64		1520.1							
	OBS	00500	15.02	35.99	26.75		1516.9							
	OBS	00600	13.92	35.84	26.87		1514.8							
	OBS	00700	11.92	35.53	27.03		1509.4							
	OBS	00800	10.32	35.37	27.20		1505.2							
	OBS	00900	08.54	35.19	27.36		1500.0							
	OBS	00960	07.82	35.19	27.47		1498.3							
	OBS	00975	07.97	35.27	27.51		1499.2							
	OBS	01000	07.05	35.09	27.50		1495.9							
	OBS	01100	05.56	35.00	27.63		1491.5							
	OBS	01150	05.38	35.01	27.66		1491.6							
	OBS	01180	05.50	35.05	27.68		1492.6							
	OBS	01200	05.40	35.03	27.67		1492.5							
	OBS	01250	04.89	34.98	27.69		1491.2							
	OBS	01280	05.12	35.05	27.72		1492.8							
	OBS	01300	04.97	35.03	27.72		1492.5							
	OBS	01345	04.88	35.02	27.73		1492.8							
	OBS	01400	04.61	34.98	27.73		1492.6							
	OBS	01430	04.37	34.95	27.73		1492.1							
	OBS	01500	04.53	34.99	27.74		1493.9							

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TABLE XXXV.—Continued

REFID 31 8272	YEAR 1971	BOTDP 04480	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1206
CONSEC 0021	MONTH 05	SHIP DG	WET BULB 17.9	28 2 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 03	DATA USE 1	BAROMETR 1024.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 53 W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E56 021	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.27	36.29	26.21		1518.8							
	OBS	00010	18.25	36.30	26.22		1518.9							
	OBS	00020	18.18	36.30	26.24		1518.9							
	OBS	00030	18.03	36.33	26.30		1518.7							
	OBS	00050	17.48	36.37	26.47		1517.4							
	OBS	00075	17.32	36.37	26.51		1517.4							
	OBS	00100	17.17	36.36	26.53		1517.3							
	OBS	00125	17.09	36.35	26.55		1517.5							
	OBS	00150	17.03	36.36	26.57		1517.7							
	OBS	00200	16.99	36.37	26.58		1518.5							
	OBS	00250	16.96	36.37	26.59		1519.2							
	OBS	00300	16.77	36.33	26.61		1519.4							
	OBS	00400	15.82	36.15	26.69		1517.9							
	OBS	00450	14.94	35.98	26.76		1515.8							
	OBS	00460	15.15	36.06	26.77		1516.7							
	OBS	00500	14.75	36.00	26.82		1516.0							
	OBS	00600	13.63	35.77	26.88		1513.8							
	OBS	00700	11.35	35.45	27.08		1507.3							
	OBS	00800	09.48	35.27	27.27		1502.0							
	OBS	00900	08.46	35.16	27.35		1499.7							
	OBS	00970	07.46	35.22	27.55		1497.1							
	OBS	01000	06.58	35.07	27.55		1494.0							
	OBS	01100	05.58	35.01	27.63		1491.6							
	OBS	01200	05.02	35.01	27.70		1491.0							
	OBS	01240	04.85	35.01	27.72		1490.9							
	OBS	01250	05.14	35.07	27.74		1492.4							
	OBS	01300	04.82	35.02	27.73		1491.8							
	OBS	01400	04.43	34.99	27.75		1491.9							
	OBS	01420	04.61	35.02	27.76		1493.0							
	OBS	01440	04.44	34.99	27.75		1492.6							
	OBS	01500	04.35	34.99	27.76		1493.2							
	OBS	01750	03.96	34.96	27.78		1495.8							
	OBS	02000	03.69	34.95	27.80		1498.8							
	OBS	02500	03.39	34.95	27.83		1506.1							
	OBS	03000	02.98	34.93	27.85		1513.0							

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REFID 31 8272	YEAR 1971	BOTDP 04480	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0022	MONTH 05	SHIP DG	WET BULB 16.7	25 4 3	WIND-SPD 11	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 04	DATA USE 1	BAROMETR 1029.8	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 047 58 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E56 022	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.63	36.31	26.13		1519.9							
	OBS	00010	18.29	36.31	26.22		1519.1							
	OBS	00020	18.26	36.32	26.24		1519.1							
	OBS	00030	18.22	36.32	26.25		1519.2							
	OBS	00050	17.95	36.34	26.33		1518.8							
	OBS	00075	17.47	36.40	26.49		1517.9							
	OBS	00100	17.32	36.41	26.54		1517.8							
	OBS	00125	17.26	36.41	26.55		1518.1							
	OBS	00150	17.15	36.40	26.57		1518.1							
	OBS	00200	17.02	36.39	26.59		1518.6							
	OBS	00250	16.99	36.40	26.61		1519.3							
	OBS	00300	16.90	36.38	26.61		1519.8							
	OBS	00400	16.16	36.21	26.66		1519.0							
	OBS	00500	15.13	36.04	26.76		1517.3							
	OBS	00600	13.92	35.86	26.89		1514.8							
	OBS	00700	12.05	35.56	27.03		1509.8							
	OBS	00800	10.33	35.38	27.21		1505.2							
	OBS	00900	08.17	35.21	27.43		1498.7							
	OBS	00960	07.60	35.07	27.41		1497.3							
	OBS	00970	06.97	35.05	27.48		1495.0							
	OBS	01000	06.26	35.03	27.56		1492.7							
	OBS	01100	05.44	35.05	27.68		1491.1							
	OBS	01135	05.49	35.10	27.72		1491.9							
	OBS	01200	05.22	35.05	27.71		1491.8							
	OBS	01300	04.61	34.99	27.73		1490.9							
	OBS	01400	04.41	34.99	27.76		1491.8							
	OBS	01500	04.25	34.97	27.76		1492.8							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTOP 04572 AIR TEMP 19.5 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0023 MONTH 05 SHIP DG WET BULB 17.9 35 1 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 55 N DAY 04 DATA USE 1 BAROMETR 1029.7 SEA WIND-FOR DURATION 00.7 2 SQUARE 46
LONG 047 57 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 023 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	18.50	36.31	26.17		1519.5							
	OBS	00010	18.47	36.31	26.17		1519.6							
	OBS	00020	18.24	36.32	26.24		1519.1							
	OBS	00030	18.16	36.34	26.28		1519.1							
	OBS	00050	17.60	36.40	26.46		1517.8							
	OBS	00075	17.39	36.42	26.53		1517.6							
	OBS	00100	17.19	36.40	26.56		1517.4							
	OBS	00125	17.12	36.40	26.58		1517.6							
	OBS	00150	17.06	36.40	26.59		1517.7							
	OBS	00200	16.99	36.40	26.61		1518.5							
	OBS	00250	16.98	36.40	26.61		1519.3							
	OBS	00300	16.96	36.40	26.62		1520.0							
	OBS	00400	16.24	36.22	26.65		1519.3							
	OBS	00500	14.88	36.02	26.80		1516.5							
	OBS	00600	13.61	35.81	26.91		1513.8							
	OBS	00700	11.70	35.51	27.06		1508.6							
	OBS	00800	10.00	35.36	27.25		1504.0							
	OBS	00900	07.93	35.20	27.46		1497.7							
	OBS	00950	07.90	35.29	27.54		1498.0							
	OBS	01000	06.22	35.04	27.58		1492.5							
	OBS	01100	05.42	35.07	27.70		1491.0							
	OBS	01200	04.97	35.01	27.71		1490.8							
	OBS	01300	04.61	34.99	27.73		1490.9							
	OBS	01400	04.36	34.98	27.75		1491.6							
	OBS	01500	04.21	34.97	27.76		1492.6							
	OBS	01750	03.93	34.96	27.78		1495.6							
	OBS	02000	03.74	34.97	27.81		1498.1							
	OBS	02500	03.31	34.94	27.83		1505.3							
	OBS	03000	02.93	34.91	27.84		1512.7							

REFID 31 8272 YEAR 1971 BOTOP 04389 AIR TEMP 18.2 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 05 SHIP DG WET BULB 18.0 49 X X WIND-SPD 02 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 05 DATA USE 1 BAROMETR 1030.4 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
LONG 047 51 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG E56 024 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	18.37	36.33	26.22		1519.1							
	OBS	00010	18.36	36.33	26.22		1519.3							
	OBS	00020	18.33	36.33	26.23		1519.4							
	OBS	00030	18.26	36.32	26.24		1519.3							
	OBS	00050	17.92	36.35	26.34		1518.7							
	OBS	00075	17.46	36.41	26.50		1517.8							
	OBS	00100	17.34	36.42	26.54		1517.9							
	OBS	00125	17.19	36.40	26.56		1517.9							
	OBS	00150	17.09	36.39	26.58		1518.0							
	OBS	00200	16.96	36.38	26.60		1518.4							
	OBS	00250	16.96	36.39	26.61		1519.2							
	OBS	00300	16.84	36.37	26.62		1519.6							
	OBS	00400	16.33	36.24	26.64		1519.6							
	OBS	00500	15.04	36.04	26.78		1517.0							
	OBS	00600	13.77	35.81	26.88		1514.3							
	OBS	00700	12.25	35.60	27.02		1510.6							
	OBS	00800	09.97	35.28	27.19		1503.8							
	OBS	00900	08.27	35.20	27.41		1499.0							
	OBS	00990	07.36	35.22	27.56		1497.1							
	OBS	01000	07.04	35.16	27.56		1495.9							
	OBS	01100	05.56	35.04	27.66		1491.5							
	OBS	01150	05.51	35.09	27.71		1492.2							
	OBS	01200	05.06	35.02	27.71		1491.1							
	OBS	01300	04.67	35.01	27.74		1491.2							
	OBS	01400	04.44	35.00	27.76		1491.9							
	OBS	01430	04.54	35.02	27.76		1492.9							
	OBS	01500	04.29	34.98	27.76		1492.9							

TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDP 04389 AIR TEMP 20.0 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 05 SHIP DG WET BULB 18.7 21 1 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4
LAT 35 03 N DAY 05 DATA USE 1 BAROMETR 1028.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 47 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E56 025 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	18.68	36.33	26.14		1520.0							
	OBS	00010	18.60	36.33	26.16		1520.0							
	OBS	00020	18.25	36.34	26.25		1519.1							
	OBS	00030	18.11	36.36	26.30		1518.9							
	OBS	00050	17.63	36.41	26.46		1517.9							
	OBS	00075	17.43	36.42	26.52		1517.8							
	OBS	00100	17.36	36.42	26.53		1518.0							
	OBS	00125	17.26	36.42	26.56		1518.1							
	OBS	00150	17.13	36.41	26.58		1518.1							
	OBS	00200	17.06	36.41	26.60		1518.7							
	OBS	00250	17.01	36.41	26.61		1519.4							
	OBS	00300	16.96	36.41	26.62		1520.1							
	OBS	00400	16.34	36.26	26.65		1519.6							
	OBS	00500	14.84	36.01	26.80		1516.3							
	OBS	00600	13.70	35.80	26.89		1514.0							
	OBS	00700	11.90	35.51	27.02		1509.3							
	OBS	00800	09.78	35.32	27.26		1503.1							
	OBS	00900	07.89	35.19	27.46		1497.6							
	OBS	00960	07.78	35.32	27.58		1498.3							
	OBS	01000	06.24	35.06	27.59		1492.6							
	OBS	01100	05.57	35.08	27.69		1491.6							
	OBS	01200	04.98	35.03	27.72		1490.8							
	OBS	01250	04.81	35.04	27.75		1491.0							
	OBS	01268	04.93	35.06	27.75		1491.8							
	OBS	01300	04.61	35.02	27.76		1491.0							
	OBS	01400	04.40	35.00	27.76		1491.7							
	OBS	01500	04.21	35.00	27.79		1492.6							
	OBS	01750	03.94	34.99	27.81		1495.7							
	OBS	02000	03.78	35.00	27.83		1499.3							
	OBS	02500	03.37	34.99	27.86		1506.1							
	OBS	03000	02.96	34.96	27.88		1512.9							

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REFID 31 8272 YEAR 1971 BOTDP 04389 AIR TEMP 19.2 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0026 MONTH 05 SHIP DG WET BULB 18.5 20 1 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 35 03 N DAY 05 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
LONG 048 02 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X0 DRIG E56 026 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	18.63	36.29	26.12		1519.6							
	OBS	00010	18.42	36.30	26.18		1519.4							
	OBS	00020	18.28	36.31	26.22		1519.2							
	OBS	00030	18.17	36.32	26.26		1519.1							
	OBS	00050	17.60	36.37	26.44		1517.8							
	OBS	00075	17.40	36.39	26.50		1517.6							
	OBS	00100	17.30	36.39	26.53		1517.8							
	OBS	00125	17.14	36.38	26.55		1517.8							
	OBS	00150	17.12	36.39	26.57		1518.0							
	OBS	00200	17.03	36.39	26.59		1518.6							
	OBS	00250	16.98	36.38	26.59		1519.3							
	OBS	00300	16.92	36.38	26.61		1519.9							
	OBS	00400	16.30	36.23	26.64		1519.5							
	OBS	00500	15.15	36.04	26.76		1517.3							
	OBS	00600	13.95	35.82	26.85		1514.9							
	OBS	00700	12.19	35.55	27.00		1510.3							
	OBS	00800	09.92	35.31	27.23		1503.6							
	OBS	00900	08.17	35.18	27.41		1498.6							
	OBS	00975	07.49	35.21	27.53		1497.3							
	OBS	01000	06.81	35.12	27.56		1495.0							
	OBS	01040	06.04	35.02	27.58		1492.4							
	OBS	01075	05.87	35.05	27.63		1492.4							
	OBS	01100	05.60	35.04	27.66		1491.7							
	OBS	01135	05.43	35.05	27.68		1491.6							
	OBS	01150	05.67	35.11	27.70		1492.4							
	OBS	01200	05.43	35.08	27.71		1492.7							
	OBS	01300	04.82	35.02	27.73		1491.8							
	OBS	01340	04.79	35.03	27.74		1492.4							
	OBS	01400	04.41	34.98	27.75		1491.8							
	OBS	01500	04.26	34.97	27.76		1492.8							

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TABLE XXXV.—Continued

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REFID  31  8272     YEAR 1971    BOTDP 04206     AIR TEMP   19.9    DIR HGT PER     WIND-DIR 20     INST STD RECORDER      TEN SQ 1206
CONSEC     0027     MONTH  05    SHIP DG         WET BULB   18.5     20  1   2      WIND-SPD 18     TRACE DIR          D   5 SQUARE  4
LAT    35 02  N     DAY    06    DATA USE  1     BAROMETR 1024.1     SEA             WIND-FOR        DURATION       00.4   2 SQUARE 46
LONG  047 55  W     HOUR 11.8    AREA      05    CLOUD T/A           CL/TR           WEATHER  X1     CRIG E56 027          1 SQUARE 57

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

         11.8  OBS      00000     18.82     36.30     26.08               1520.4
               OBS      00010     18.72     36.33     26.13               1520.3
               OBS      00020     18.25     36.34     26.25               1519.1
               OBS      00030     18.16     36.35     26.28               1519.1
               OBS      00050     17.63     36.41     26.46               1517.9
               OBS      00075     17.41     36.42     26.52               1517.7
               OBS      00100     17.28     36.40     26.54               1517.7
               OBS      00125     17.17     36.39     26.56               1517.8
               OBS      00150     17.08     36.40     26.59               1517.9
               OBS      00200     17.03     36.40     26.60               1518.6
               OBS      00250     17.02     36.40     26.60               1519.4
               OBS      00300     16.95     36.39     26.61               1520.0
               OBS      00400     16.31     36.25     26.65               1519.5
               OBS      00500     15.00     36.00     26.76               1516.8
               OBS      00600     13.52     35.78     26.91               1513.4
               OBS      00700     12.04     35.54     27.02               1509.8
               OBS      00800     10.76     35.30     27.25               1503.0
               OBS      00900     08.23     35.18     27.40               1498.9
               OBS      01000     07.48     35.25     27.57               1497.7
               OBS      01060     06.01     35.02     27.59               1492.6
               OBS      01100     05.62     35.04     27.65               1491.8
               OBS      01180     05.17     35.01     27.68               1491.2
               OBS      01200     05.22     35.06     27.72               1491.8
               OBS      01210     05.28     35.08     27.73               1492.3
               OBS      01270     04.82     35.01     27.73               1491.3
               OBS      01300     04.88     35.03     27.73               1492.1
               OBS      01320     04.95     35.06     27.75               1492.8
               OBS      01380     04.71     35.03     27.75               1492.7
               OBS      01400     04.43     34.98     27.75               1491.6
               OBS      01500     04.25     34.97     27.76               1492.8
               OBS      01650     04.07     34.96     27.77               1494.5
               OBS      01680     04.15     34.98     27.78               1495.4
               OBS      01750     04.09     34.98     27.78               1496.3
               OBS      02000     03.84     34.98     27.81               1499.5
               OBS      02500     03.36     34.95     27.83               1506.0
               OBS      03000     02.92     34.93     27.86               1512.7

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REFID  31  8272     YEAR 1971    BOTDP 04572     AIR TEMP   19.0    DIR HGT PER     WIND-DIR 23     INST STD RECORDER      TEN SQ 1205
CONSEC     0028     MONTH  05    SHIP DG         WET BULB   18.0     28  2   2      WIND-SPD 10     TRACE DIR          D   5 SQUARE  4
LAT    35 00  N     DAY    06    DATA USE  1     BAROMETR 1024.0     SEA             WIND-FOR        DURATION       00.2   2 SQUARE 46
LONG  047 58  W     HOUR 23.8    AREA      05    CLOUD T/A           CL/TR           WEATHER  X3     CRIG E56 028          1 SQUARE 57

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

         23.8  OBS      00000     18.96     36.35     26.08               1520.8
               OBS      00010     18.93     36.34     26.08               1520.9
               OBS      00020     18.60     36.34     26.16               1520.1
               OBS      00030     18.36     36.36     26.24               1519.6
               OBS      00050     18.04     36.37     26.33               1519.1
               OBS      00075     17.85     36.40     26.40               1519.0
               OBS      00100     17.67     36.41     26.52               1518.0
               OBS      00125     17.32     36.43     26.55               1518.3
               OBS      00150     17.20     36.41     26.56               1518.3
               OBS      00200     17.01     36.40     26.60               1518.5
               OBS      00250     16.97     36.40     26.61               1519.3
               OBS      00300     16.84     36.36     26.61               1519.6
               OBS      00380     15.90     36.16     26.68               1517.9
               OBS      00400     15.94     36.17     26.68               1518.3
               OBS      00440     15.31     36.05     26.73               1516.9
               OBS      00470     15.36     36.10     26.76               1517.6
               OBS      00500     15.05     36.00     26.75               1517.0
               OBS      00600     13.92     35.88     26.90               1514.9
               OBS      00700     12.32     35.60     27.01               1510.8
               OBS      00800     10.00     35.30     27.21               1503.9
               OBS      00842     08.83     35.15     27.28               1500.1
               OBS      00850     08.91     35.26     27.36               1500.7
               OBS      00870     08.73     35.24     27.37               1500.3
               OBS      00893     07.84     35.11     27.40               1497.2
               OBS      00900     07.95     35.21     27.47               1497.8
               OBS      00910     08.01     35.21     27.46               1498.2
               OBS      00960     07.54     35.21     27.53               1497.2
               OBS      00970     07.62     35.26     27.55               1497.8
               OBS      00980     07.49     35.22     27.54               1497.4
               OBS      01000     07.63     35.32     27.60               1498.4
               OBS      01015     07.70     35.34     27.61               1498.9
               OBS      01030     07.54     35.33     27.62               1498.6
               OBS      01100     06.04     35.13     27.67               1493.6
               OBS      01140     05.95     35.15     27.70               1493.9
               OBS      01200     05.03     35.02     27.71               1491.0
               OBS      01250     05.08     35.06     27.73               1492.1
               OBS      01300     04.91     35.05     27.75               1492.2
               OBS      01350     04.56     34.99     27.74               1491.6
               OBS      01400     04.62     35.02     27.76               1492.7
               OBS      01500     04.29     34.97     27.75               1492.9

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TABLE XXXV.—Continued

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REFID  31  8272     YEAR 1971    BOTDP 04938     AIR TEMP   19.4    DIR HGT PER     WIND-DIR 24    INST STD RECORDER      TEN SQ 1206
CONSEC     0029     MONTH  05    SHIP DG         WET BULB   18.5     24  1   2      WIND-SPD 13    TRACE DIR          D   5 SQUARE  2
LAT    34 55  N     DAY    07    DATA USE  1     BARGMETR 1020.2     SEA             WIND-FOR       DURATION       00.6   2 SQUARE 46
LONG  047 46  W     HOUR 11.8    AREA     05    CLOUD T/A           CL/TR           WEATHER  X1    ORIG E56 029          1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP      SAL     SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

        11.8   OBS     00000    18.71    36.35     26.14               1520.1
               OBS     00010    18.70    36.33     26.13               1520.3
               OBS     00020    18.24    36.37     26.28               1519.2
               OBS     00030    18.13    36.37     26.31               1519.0
               OBS     00050    17.76    36.40     26.42               1518.3
               OBS     00075    17.43    36.38     26.49               1517.7
               OBS     00100    17.27    36.39     26.53               1517.7
               OBS     00125    17.17    36.39     26.56               1517.8
               OBS     00150    17.09    36.38     26.57               1517.7
               OBS     00200    16.83    36.33     26.59               1517.4
               OBS     00250    16.63    36.31     26.62               1513.1
               OBS     00300    16.10    36.19     26.66               1517.2
               OBS     00350    15.07    35.97     26.72               1514.5
               OBS     00400    14.95    36.01     26.78               1515.0
               OBS     00450    15.02    36.07     26.81               1516.2
               OBS     00500    14.44    35.95     26.84               1515.0
               OBS     00600    13.02    35.69     26.94               1511.6
               OBS     00700    10.95    35.44     27.15               1505.9
               OBS     00800             35.18
               OBS     00900    07.12    35.07     27.48               1494.4
               OBS     00960    06.56    35.10     27.58               1493.3
               OBS     00979    06.75    35.16     27.60               1494.4
               OBS     01000    06.26    35.09     27.61               1492.7
               OBS     01100    05.48    35.04     27.67               1491.2
               OBS     01200    04.94    35.01     27.71               1490.6
               OBS     01220    05.06    35.07     27.74               1491.5
               OBS     01300    04.60    34.99     27.73               1490.9
               OBS     01400    04.43    34.98     27.75               1491.8
               OBS     01500    04.25    34.97     27.76               1492.8
               OBS     01750    03.94    34.96     27.78               1495.7
               OBS     02000    03.74    34.96     27.80               1499.1
               OBS     02500    03.38    34.96     27.84               1506.1
               OBS     03000    02.95    34.93     27.86               1512.8

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REFID  31  8272     YEAR 1971    BOTDP 04938     AIR TEMP   19.8    DIR HGT PER     WIND-DIR 25    INST STD RECORDER      TEN SQ 1206
CONSEC     0030     MONTH  05    SHIP DG         WET BULB   18.5     25  2   2      WIND-SPD 22    TRACE DIR          D   5 SQUARE  2
LAT    34 53  N     DAY    07    DATA USE  1     BAROMETR 1018.7     SEA             WIND-FOR       DURATION       00.3   2 SQUARE 46
LONG  047 54  W     HOUR 23.9    AREA     05    CLOUD T/A           CL/TR           WEATHER  X1    ORIG E56 030          1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP      SAL     SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

        23.9   OBS     00000    19.18    36.35     26.02               1521.5
               OBS     00010    19.17    36.35     26.03               1521.6
               OBS     00020    19.05    36.31     26.03               1521.4
               OBS     00030    18.45    36.35     26.21               1519.9
               OBS     00050    18.07    36.36     26.31               1519.1
               OBS     00075    17.23    36.37     26.53               1517.1
               OBS     00100    17.11    36.37     26.56               1517.2
               OBS     00125    16.98    36.37     26.59               1517.2
               OBS     00150    16.92    36.36     26.59               1517.4
               OBS     00200    16.81    36.36     26.62               1517.9
               OBS     00250    16.56    36.32     26.65               1517.9
               OBS     00300    16.07    36.23     26.69               1517.1
               OBS     00400    14.88    36.02     26.80               1514.8
               OBS     00500    13.89    35.87     26.90               1513.1
               OBS     00600    12.38    35.63     27.02               1509.4
               OBS     00700    10.82    35.44     27.17               1505.4
               OBS     00800    09.13    35.24     27.30               1500.7
               OBS     00860    08.02    35.20     27.45               1497.4
               OBS     00900    07.76    35.26     27.53               1497.2
               OBS     00945    07.36    35.25     27.58               1496.4
               OBS     00955    07.73    35.36     27.62               1498.1
               OBS     01000    06.84    35.19     27.61               1495.2
               OBS     01100    05.80    35.10     27.68               1492.6
               OBS     01145    05.44    35.07     27.70               1491.8
               OBS     01160    05.81    35.15     27.72               1493.7
               OBS     01200    05.67    35.15     27.73               1493.8
               OBS     01250    05.09    35.07     27.74               1492.2
               OBS     01300    05.11    35.10     27.76               1493.1
               OBS     01380    04.69    35.04     27.76               1492.7
               OBS     01400    04.86    35.08     27.78               1493.8
               OBS     01500    04.48    35.03     27.78               1493.8

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TABLE XXXVI.–Observed and interpolated oceanographic data for stations taken by USCGC MENDOTA at Ocean Station ECHO, 15 May 1971 - 7 June 1971, prepared from NODC listing No. 31 - 1858.

REFID 31 1858	YEAR 1971	BOTDP 04572	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 00	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 05	SHIP ME	WET BULB 16.1	35 2 2	WIND-SPD 00	TRACE DIR	5 SQUARE 2
LAT 34 52 N	DAY 14	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 08 W	HOUR 01.4	AREA 05	CLOUD T/A /0	CL/TR	WEATHER X0	ORIG E57 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.4	OBS	00000	19.34	36.369	26.00		1521.9							
01.4	OBS	00025	18.96	36.370	26.10		1521.3							
01.4	OBS	00049	17.95	36.392	26.37		1518.8							
01.4	OBS	00074	17.66	36.423	26.46		1518.4							
01.4	OBS	00098	17.58	36.434	26.49		1518.6							
01.4	OBS	00148	17.49	36.428	26.51		1519.1							
01.4	OBS	00202	17.31	36.410	26.54		1519.5							
01.4	OBS	00301	16.81	36.316	26.59		1519.5							
01.4	OBS	00503	15.14	36.086	26.79		1517.4							
01.4	OBS	00601	14.77	36.028	26.83		1517.8							
01.4	OBS	00798	10.62	35.385	27.16		1506.2							
01.4	OBS	T01001	06.70	35.038	27.51		1494.4							
01.4	OBS	01504	04.33	34.992	27.77		1493.2							

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REFID 31 1858	YEAR 1971	BOTDP 04675	AIR TEMP 16.7	DIR HGT PER	WIND-DIR 29	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 05	SHIP ME	WET BULB 15.6	30 2 2	WIND-SPD 08	TRACE DIR	5 SQUARE 2
LAT 34 56 N	DAY 15	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 12.7	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X2	ORIG E57 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	18.97	36.300	26.04		1520.8							
12.7	OBS	00026	18.79	36.368	26.14		1520.8							
12.7	OBS	00047	18.23	36.388	26.29		1519.6							
12.7	OBS	00071	17.56	36.430	26.49		1518.1							
12.7	OBS	00092	17.51	36.432	26.51		1518.3							
12.7	OBS	00139	17.45	36.431	26.52		1518.9							
12.7	OBS	00184	16.84	36.418	26.66		1517.8							
12.7	OBS	00539		36.076										
12.7	OBS	00719	11.87	35.548	27.06		1509.5							
12.7	OBS	T00892	08.21	35.171	27.40		1498.6							

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REFID 31 1858	YEAR 1971	BOTDP 04860	AIR TEMP 21.7	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 05	SHIP ME	WET BULB 18.9	13 3 2	WIND-SPD 12	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 16	DATA USE 1	BAROMETR 1010.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 50 W	HOUR 18.5	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E57 003	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	19.37	36.335	25.96		1522.0							
18.5	OBS	00025		36.342										
18.5	OBS	00046	18.28	36.343	26.25		1519.7							
18.5	OBS	00071	17.34	36.359	26.49		1517.4							
18.5	OBS	00092	17.17	36.366	26.54		1517.2							
18.5	OBS	00137	16.95	36.345	26.58		1517.3							
18.5	OBS	00182	16.80	36.328	26.60		1517.5							

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REFID 31 1858	YEAR 1971	BOTDP 04762	AIR TEMP 21.7	DIR HGT PER	WIND-DIR 00	INST NANSEN CAST	TEN SQ 1206
CONSEC 0004	MONTH 05	SHIP ME	WET BULB 16.1	30 2 2	WIND-SPD 00	TRACE DIR	5 SQUARE 2
LAT 34 56 N	DAY 17	DATA USE 1	BAROMETR 1009.1	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 12.5	AREA 05	CLOUD T/A /0	CL/TR /15	WEATHER X0	ORIG E57 004	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	18.88	36.342	26.09		1520.6							
12.5	OBS	00023	18.47	36.334	26.19		1519.8							
12.5	OBS	00046	18.32	36.331	26.23		1519.8							
12.5	OBS	00070	17.97	36.377	26.35		1519.2							
12.5	OBS	00093	17.37	36.383	26.50		1517.8							
12.5	OBS	00139	16.97	36.333	26.56		1517.3							
12.5	OBS	00190	16.91	36.356	26.59		1517.0							

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTDP 04253 AIR TEMP 22.2 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 05 SHIP ME WET BULB 19.4 06 3 2 WIND-SPD 17 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 18 DATA USE 1 BAROMETR 1009.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.7 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E57 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	19.22	36.319	25.99		1521.5							
12.7	OBS	00026	19.08	36.320	26.03		1521.6							
12.7	OBS	00048	18.79	36.337	26.11		1521.1							
12.7	OBS	00073	17.04	36.382	26.58		1516.5							
12.7	OBS	00095	16.64	36.255	26.58		1515.5							
12.7	OBS	00142	16.33	36.240	26.64		1515.4							
12.7	OBS	00190	15.93	36.176	26.65		1514.8							
12.7	OBS	00284	15.28	36.061	26.74		1514.2							
12.7	OBS	00379	14.95	36.046	26.81		1514.7							
12.7	OBS	00474	14.00	35.873	26.88		1513.0							
12.7	OBS	00569	12.49	35.700	27.05		1509.4							
12.7	OBS	00763	09.66	35.255	27.23		1502.0							
12.7	OBS	T00952	06.93	35.090	27.52		1494.6							
12.7	OBS	T01427	04.60	35.020	27.76		1493.1							

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REFID 31 1858 YEAR 1971 BOTDP 01942 AIR TEMP 21.7 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 05 SHIP ME WET BULB 21.1 10 2 2 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1013.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 18.5 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X2 ORIG E57 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	19.58	36.365	25.93		1522.6							
18.5	OBS	00026	18.37	36.360	26.24		1519.6							
18.5	OBS	00049	17.94	36.402	26.38		1518.8							
18.5	OBS	00075	17.59	36.425	26.48		1518.2							
18.5	OBS	00096	17.48	36.440	26.52		1518.3							
18.5	OBS	00148	17.32	36.410	26.54		1518.6							
18.5	OBS	00197	17.06	36.377	26.57		1518.6							

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REFID 31 1858 YEAR 1971 BOTDP 04630 AIR TEMP 23.9 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 05 SHIP ME WET BULB 21.7 06 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 20 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09 W HOUR 12.8 AREA 05 CLOUD T/A /0 CL/TR /15 WEATHER X0 ORIG E57 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	19.52	36.353	25.94		1522.4							
12.8	OBS	00027	18.45	36.342	26.20		1519.8							
12.8	OBS	00049	17.86	36.398	26.35		1518.6							
12.8	OBS	00076	17.64	36.433	26.48		1518.4							
12.8	OBS	00098	17.50	36.421	26.50		1518.3							
12.8	OBS	00148	17.40	36.420	26.52		1518.9							
12.8	OBS	00197	17.26	36.402	26.54		1519.2							
12.8	OBS	00296	16.73	36.311	26.60		1519.2							
12.8	OBS	00396	15.73	36.117	26.69		1517.5							
12.8	OBS	00494	14.54	35.940	26.81		1515.2							
12.8	OBS	00594		35.805										
12.8	OBS	00796	10.19	35.370	27.23		1504.6							
12.8	OBS	T00994	06.55	35.090	27.57		1493.8							

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REFID 31 1858 YEAR 1971 BOTDP 03794 AIR TEMP 21.7 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 05 SHIP ME WET BULB 20.6 14 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 21 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 13.0 AREA 05 CLOUD T/A 0/4 CL/TR WEATHER X1 ORIG E57 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	19.75	36.350	25.87		1523.0							
13.0	OBS	00032	17.92	36.346	26.34		1518.4							
13.0	OBS	00057	17.52	36.415	26.49		1517.7							
13.0	OBS	00114	17.23	36.403	26.55		1517.8							
13.0	OBS	00171	17.02	36.390	26.59		1518.1							
13.0	OBS	00228	16.96	36.367	26.59		1518.8							
13.0	OBS	00344	16.12	36.197	26.66		1518.0							
13.0	OBS	00462	14.95	35.978	26.75		1516.0							
13.0	OBS	00587	13.51	35.785	26.91		1513.2							
13.0	OBS	00709	11.22	35.411	27.07		1506.9							
13.0	OBS	00956	06.72	35.070	27.53		1493.8							
13.0	OBS	T01208	05.10	35.046	27.72		1491.5							

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TABLE XXXVI.—Continued

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REFID  31  1858     YEAR 1971    BOTDP 04389    AIR TEMP   20.6    DIR HGT PER      WIND-DIR 14    INST NANSEN CAST      TEN SQ 1206
CONSEC     0009     MONTH  05    SHIP ME        WET BULB   20.0     14  2   2       WIND-SPD 22    TRACE DIR             5 SQUARE  4
LAT    35 01  N     DAY    22    DATA USE  1    BAROMETR 1019.6    SEA              WIND-FOR       DURATION              2 SQUARE 46
LONG  047 55  W     HOUR 12.7    AREA      05   CLOUD T/A   7/8    CL/TR            WEATHER  X2    ORIG E57 009          1 SQUARE 57

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4   TOT P   NO2   NO3   SIO3   PH

        12.7    OBS      00000     19.93    36.341     25.82               1523.5
        12.7    OBS      00031     19.02    36.342     26.06               1521.5
        12.7    OBS      00057     17.55    36.380     26.46               1517.8
        12.7    OBS      00088     17.17    36.378     26.55               1517.2
        12.7    OBS      00115     17.01    36.374     26.58               1517.1
        12.7    OBS      00174     16.91    36.353     26.59               1517.8
        12.7    OBS      00235     16.60    36.293     26.62               1517.8
        12.7    OBS      00358     15.22    36.036     26.74               1515.2
        12.7    OBS      00484     14.16    35.888     26.86               1513.7
        12.7    OBS      00618     11.93    35.543     27.04               1508.1
        12.7    OBS      00747               35.253
        12.7    OBS      01006     05.64    35.040     27.65               1490.3
        12.7    OBS      T01264    04.79    35.039     27.75               1491.1

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REFID  31  1858     YEAR 1971    BOTDP 04758    AIR TEMP   21.7    DIR HGT PER      WIND-DIR 16    INST NANSEN CAST      TEN SQ 1206
CONSEC     0010     MONTH  05    SHIP ME        WET BULB   21.1     11  3           WIND-SPD 06    TRACE DIR             5 SQUARE  2
LAT    34 57  N     DAY    23    DATA USE  1    BAROMETR 1022.4    SEA              WIND-FOR       DURATION              2 SQUARE 46
LONG  047 56  W     HOUR 12.8    AREA      05   CLOUD T/A   7/8    CL/TR            WEATHER  X2    ORIG E57 010          1 SQUARE 47

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4   TOT P   NO2   NO3   SIO3   PH

        12.8    OBS      00000     20.39    36.329     25.69               1524.7
        12.8    OBS      00025     19.46    36.349     25.95               1522.6
        12.8    OBS      00049     17.66    36.388     26.44               1518.0
        12.8    OBS      00076               36.418
        12.8    OBS      00101     17.36    36.413     26.53               1518.0
        12.8    OBS      00151     17.01    36.354     26.57               1517.7
        12.8    OBS      T00206    16.77    36.342     26.62               1517.9
        12.8    OBS      T00306    16.00    36.199     26.69               1517.0
        12.8    OBS      00406               35.971
        12.8    OBS      00511     13.58    35.794     26.91               1512.2
        12.8    OBS      00611               35.570
        12.8    OBS      00812     08.33    35.206     27.40               1497.8
        12.8    OBS      T01017    05.51    35.043     27.67               1489.9

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REFID  31  1858     YEAR 1971    BOTDP 04410    AIR TEMP   22.2    DIR HGT PER      WIND-DIR 17    INST NANSEN CAST      TEN SQ 1206
CONSEC     0011     MONTH  05    SHIP ME        WET BULB   21.7     17  2   2       WIND-SPD 13    TRACE DIR             5 SQUARE  2
LAT    34 58  N     DAY    24    DATA USE  1    BAROMETR 1023.4    SEA              WIND-FOR       DURATION              2 SQUARE 46
LONG  047 56  W     HOUR 18.7    AREA      05   CLOUD T/A   7/8    CL/TR   /16      WEATHER  X2    ORIG E57 011          1 SQUARE 47

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4   TOT P   NO2   NO3   SIO3   PH

        18.7    OBS      00000     20.60    36.349     25.65               1525.3
        18.7    OBS      00031     18.96    36.328     26.06               1521.3
        18.7    OBS      00058     17.21    36.382     26.54               1516.8
        18.7    OBS      00090     17.17    36.377     26.55               1517.2
        18.7    OBS      00118     16.91    36.335     26.58               1516.8
        18.7    OBS      00179     16.71    36.318     26.61               1517.2
        18.7    OBS      T00240    16.33    36.248     26.65               1517.0
        18.7    OBS      00366               36.015
        18.7    OBS      00493     14.42    35.852     26.77               1514.7
        18.7    OBS      00625     11.78    35.525     27.06               1507.6
        18.7    OBS      00752     09.96    35.305     27.22               1503.0
        18.7    OBS      01006     05.85    35.044     27.63               1491.1
        18.7    OBS      T01257    04.63    35.004     27.74               1490.3

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REFID  31  1858     YEAR 1971    BOTDP 04718    AIR TEMP   22.2    DIR HGT PER      WIND-DIR 32    INST NANSEN CAST      TEN SQ 1206
CONSEC     0012     MONTH  05    SHIP ME        WET BULB   20.0     17  3           WIND-SPD 08    TRACE DIR             5 SQUARE  2
LAT    34 57  N     DAY    25    DATA USE  1    BAROMETR 1022.4    SEA              WIND-FOR       DURATION              2 SQUARE 46
LONG  047 58  W     HOUR 13.0    AREA      05   CLOUD T/A   8/2    CL/TR            WEATHER  X1    ORIG E57 012          1 SQUARE 47

  CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4   TOT P   NO2   NO3   SIO3   PH

        13.0    OBS      00000     20.22    36.230     25.66               1524.2
        13.0    OBS      00023     19.40    36.333     25.95               1522.4
        13.0    OBS      00068     17.51    36.408     26.45               1517.9
        13.0    OBS      00091     17.26    36.395     26.54               1517.5
        13.0    OBS      00136     16.88    36.336     26.59               1517.0
        13.0    OBS      T00185    16.67    36.306     26.61               1517.2
        13.0    OBS      T00271    16.04    36.187     26.67               1516.5
        13.0    OBS      00355               36.053
        13.0    OBS      00441     14.51    35.956     26.83               1514.2
        13.0    OBS      00523               35.816
        13.0    OBS      00689     10.11    35.371     27.24               1502.6
        13.0    OBS      T00863    06.86    35.106     27.54               1492.9

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTDP 04630 AIR TEMP 20.0 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 05 SHIP ME WET BULB 16.7 28 4 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 26 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 51 W HOUR 18.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E57 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.9	OBS	00000	20.07	36.269	25.73		1523.8							
18.9	OBS	00050	17.47	36.403	26.49		1517.5							
18.9	OBS	00101	17.19	36.421	26.58		1517.5							
18.9	OBS	00152	16.92	36.400	26.62		1517.5							
18.9	OBS	T00203	16.69	36.316	26.61		1517.5							
18.9	OBS	T00306	15.65	36.132	26.72		1515.8							
18.9	OBS	T00514	13.32	35.756	26.93		1511.3							

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REFID 31 1858 YEAR 1971 BOTDP 04639 AIR TEMP 20.0 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 05 SHIP ME WET BULB 17.2 02 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 3/5 CL/TR /16 WEATHER X1 ORIG E57 014 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.14	36.192	25.65		1523.9							
12.2	OBS	00047	17.79	36.408	26.42		1518.3							
12.2	OBS	00094	17.50	36.448	26.52		1518.3							
12.2	OBS	00141	17.38	36.450	26.55		1518.7							
12.2	OBS	T00187	17.14	36.426	26.59		1518.8							
12.2	OBS	T00282	16.80	36.377	26.64		1519.2							
12.2	OBS	T00478	13.68	35.812	26.90		1512.0							

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REFID 31 1858 YEAR 1971 BOTDP 04815 AIR TEMP 21.1 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 05 SHIP ME WET BULB 18.9 04 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 28 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09 W HOUR 12.2 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E57 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	19.61	36.349	25.91		1522.6							
12.2	OBS	00052	17.66	36.456	26.49		1518.1							
12.2	OBS	00104	17.50	36.484	26.55		1518.5							
12.2	OBS	00157	17.36	36.456	26.56		1518.9							
12.2	OBS	T00209	17.04	36.417	26.61		1518.8							
12.2	OBS	T00316	16.72	36.352	26.64		1519.5							
12.2	OBS	T00531	13.96	35.903	26.91		1513.9							

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REFID 31 1858 YEAR 1971 BOTDP 04538 AIR TEMP 22.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 05 SHIP ME WET BULB 20.0 09 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 29 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 12.4 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E57 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	20.73	36.152	25.46		1525.4							
12.4	OBS	00096	16.79	36.324	26.60		1516.1							
12.4	OBS	00145	16.75	36.312	26.60		1516.8							
12.4	OBS	T00207	16.50	36.312	26.66		1517.0							
12.4	OBS	T00304	15.26	36.088	26.77		1514.5							
12.4	OBS	00495	13.52	35.822	26.94		1511.7							
12.4	OBS	T00693	10.23	35.381	27.23		1503.1							

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REFID 31 1858 YEAR 1971 BOTDP 04720 AIR TEMP 25.0 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 05 SHIP ME WET BULB 22.2 11 1 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 51 N DAY 30 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 15 W HOUR 12.6 AREA 05 CLOUD T/A 3/4 CL/TR WEATHER X1 ORIG E57 017 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	20.87	36.205	25.46		1525.9							
12.6	OBS	00099	17.22	36.404	26.56		1517.5							
12.6	OBS	00149	16.95	36.400	26.62		1517.5							
12.6	OBS	T00213	16.54	36.287	26.63		1517.2							
12.6	OBS	T00312	15.42	36.107	26.75		1515.2							
12.6	OBS	00506	13.94	35.916	26.92		1513.4							
12.6	OBS	T00705	10.36	35.359	27.19		1503.7							

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTDP 04222 AIR TEMP 24.4 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 05 SHIP ME WET BULB 22.2 00 0 X WIND-SPD 02 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 31 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.5 AREA 05 CLOUD T/A 3/2 CL/TR /19 WEATHER X1 ORIG E57 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	21.11	36.304	25.47		1526.6							
12.5	OBS	00085	17.20	36.400	26.56		1517.2							
12.5	OBS	00129	16.94	36.388	26.61		1517.2							
12.5	OBS	T00186	16.71	36.345	26.63		1517.4							
12.5	OBS	00277	15.84	36.187	26.71		1516.0							
12.5	OBS	T00458	13.60	35.821	26.92		1511.4							
12.5	OBS	00650	10.46	35.387	27.19		1503.2							

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REFID 31 1858 YEAR 1971 BOTDP 04668 AIR TEMP 23.3 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 06 SHIP ME WET BULB 21.7 16 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 01 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 49 W HOUR 12.4 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E57 019 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	21.44	36.271	25.36		1527.5							
12.4	OBS	00108	16.79	36.292	26.57		1516.3							
12.4	OBS	00162	16.66	36.292	26.60		1516.7							
12.4	OBS	T00217	16.13	36.250	26.70		1516.0							
12.4	OBS	T00326	14.78	36.035	26.84		1513.3							
12.4	OBS	00546	11.89	35.545	27.05		1506.7							
12.4	OBS	T00766	08.81	35.302	27.40		1499.0							

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REFID 31 1858 YEAR 1971 BOTDP 04458 AIR TEMP 22.2 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0020 MONTH 06 SHIP ME WET BULB 21.1 15 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 48 W HOUR 12.3 AREA 05 CLOUD T/A 4/3 CL/TR WEATHER X1 ORIG E57 020 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	20.98	36.288	25.50		1526.3							
12.3	OBS	00098	16.88	36.288	26.55		1516.4							
12.3	OBS	00147	16.74	36.286	26.58		1516.7							
12.3	OBS	T00198	16.40	36.250	26.63		1516.5							
12.3	OBS	T00304	15.02	36.016	26.77		1513.7							
12.3	OBS	00534	12.08	35.567	27.03		1507.2							
12.3	OBS	T00774	08.72	35.323	27.44		1498.8							

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REFID 31 1858 YEAR 1971 BOTDP 04438 AIR TEMP 21.7 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0021 MONTH 06 SHIP ME WET BULB 21.1 22 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 03 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.5 AREA 05 CLOUD T/A 7/6 CL/TR /15 WEATHER Xo ORIG E57 021 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	21.25	36.244	25.35		1526.9							
12.5	OBS	00101	16.96	36.292	26.53		1516.6							
12.5	OBS	00151	16.63	36.332	26.64		1516.5							
12.5	OBS	T00203	16.17	36.237	26.68		1515.9							
12.5	OBS	T00309	15.17	36.090	26.79		1514.3							
12.5	OBS	00541	12.68	35.674	27.00		1509.5							
12.5	OBS	T00779	08.46	35.304	27.46		1497.9							

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REFID 31 1858 YEAR 1971 BOTDP 04575 AIR TEMP 22.8 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0022 MONTH 06 SHIP ME WET BULB 20.0 01 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 04 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 12.4 AREA 05 CLOUD T/A 2/2 CL/TR WEATHER X1 ORIG E57 022 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	21.15	36.332	25.48		1526.8							
12.4	OBS	00094	17.24	36.436	26.58		1517.5							
12.4	OBS	00141	16.95	36.356	26.59		1517.4							
12.4	OBS	00187	16.75	36.326	26.61		1517.5							
12.4	OBS	T00281	15.78	36.137	26.65		1515.8							
12.4	OBS	00470	13.73	35.830	26.90		1512.0							
12.4	OBS	T00662	10.06	35.343	27.23		1501.9							

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTDP 04392 AIR TEMP 32.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0023 MONTH 06 SHIP ME WET BULB 25.0 05 1 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 05 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.4 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E57 023 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	21.32	36.327	25.43		1527.7							
12.4	OBS	00093	16.81	36.300	26.57		1514.1							
12.4	OBS	00140		36.291										
12.4	OBS	T00201	16.17	36.224	26.67		1515.8							
12.4	OBS	T00297	14.73	35.956	26.79		1512.6							
12.4	OBS	00485	13.04	35.718	26.96		1509.9							
12.4	OBS	T00680	09.96	35.319	27.23		1501.8							

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REFID 31 1858 YEAR 1971 BOTDP 04575 AIR TEMP 22.2 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0024 MONTH 06 SHIP ME WET BULB 21.7 26 3 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 06 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 51 W HOUR 12.8 AREA 05 CLOUD T/A 2/8 CL/TR WEATHER X2 ORIG E57 028 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	21.52	36.327	25.38		1527.7							
12.8	OBS	00084	16.56	36.307	26.64		1515.2							
12.8	OBS	00127	15.96	36.190	26.69		1513.9							
12.8	OBS	00170	15.45	36.094	26.73		1512.9							
12.8	OBS	T00256	14.65	36.027	26.86		1511.7							
12.8	OBS	T00441	13.13	35.713	26.94		1509.4							
12.8	OBS	T00645	08.95	35.261	27.35		1497.5							

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REFID 31 1858 YEAR 1971 BOTDP 05216 AIR TEMP 22.2 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0025 MONTH 06 SHIP ME WET BULB 21.7 32 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 33 23 N DAY 07 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 28
LONG 049 50 W HOUR 12.6 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X2 ORIG EEN 01E 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	21.79	36.371	25.34		1528.5							
12.6	OBS	00099	17.42	36.458	26.55		1518.2							
12.6	OBS	00149	17.38	36.477	26.57		1518.9							
12.6	OBS	T00213	17.18	36.444	26.60		1519.3							
12.6	OBS	T00312	16.84	36.346	26.60		1519.8							
12.6	OBS	00505	14.85	36.062	26.84		1516.5							
12.6	OBS	T00704	12.42	35.671	27.05		1511.3							

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TABLE XXXVII.--Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 7 June 1971 - 30 June 1971, prepared from NODC listing No. 31 - 1870.

REFID 31 1870 YEAR 1971 BOTDP 04663 AIR TEMP 20.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 06 SHIP BX WET BULB 16.3 29 2 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 09 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 CO W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E58 001 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	21.09	36.331	25.50		1526.6							
12.8	OBS	00029	20.98	36.316	25.52		1526.8							
12.8	OBS	00053	17.64	36.345	26.41		1517.9							
12.8	OBS	00081	16.84	36.316	26.58		1516.0							
12.8	OBS	00105	16.69	36.304	26.61		1515.9							
12.8	OBS	00157	16.38	36.265	26.65		1515.8							
12.8	OBS	T00209	15.69	36.151	26.72		1514.4							
12.8	OBS	00313	14.46	35.951	26.84		1512.0							
12.8	OBS	T00417	13.23	35.739	26.94		1509.4							
12.8	OBS	00522	11.44	35.476	27.08		1504.7							
12.8	OBS	T00627	09.03	35.220	27.30		1497.4							
12.8	OBS	00843	06.96	35.184	27.59		1493.1							
12.8	OBS	T01057	04.99	35.018	27.71		1488.5							
12.8	OBS	T01600	04.04	34.978	27.79		1493.6							

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REFID 31 1870 YEAR 1971 BOTDP 03475 AIR TEMP 21.6 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 06 SHIP BX WET BULB 20.8 24 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 08 N DAY 10 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 41 W HOUR 12.1 AREA 05 CLOUD T/A 7/8 CL/TR /32 WEATHER X4 ORIG E58 002 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	21.13	36.296	25.46		1526.7							
12.1	OBS	00026	21.10	36.299	25.47		1527.0							
12.1	OBS	00048	18.36	36.308	26.20		1519.9							
12.1	OBS	00074	17.12	36.306	26.50		1516.7							
12.1	OBS	00096	16.80	36.294	26.57		1516.1							
12.1	OBS	00143	16.68	36.297	26.60		1516.5							
12.1	OBS	T00191	16.18	36.225	26.66		1515.7							
12.1	OBS	00287	14.79	35.985	26.79		1512.6							
12.1	OBS	T00383	13.52	35.792	26.92		1509.9							
12.1	OBS	00481	11.93	35.549	27.05		1505.8							
12.1	OBS	T00580	10.03	35.314	27.21		1500.4							
12.1	OBS	00785	06.91	35.140	27.56		1491.8							
12.1	OBS	T00991	05.44	35.103	27.73		1489.3							
12.1	OBS	T01521	04.11	34.987	27.79		1492.6							

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REFID 31 1870 YEAR 1971 BOTDP 03658 AIR TEMP 22.0 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 06 SHIP BX WET BULB 20.8 23 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E58 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	21.37	36.245	25.36		1527.2							
12.7	OBS	00029	21.01	36.286	25.49		1526.8							
12.7	OBS	00053	18.22	36.324	26.25		1519.6							
12.7	OBS	00081	16.89	36.309	26.56		1516.1							
12.7	OBS	00105	16.77	36.316	26.60		1516.2							
12.7	OBS	00158	16.41	36.274	26.65		1515.9							
12.7	OBS	T00211	15.87	36.181	26.70		1515.0							
12.7	OBS	00317	14.70	35.994	26.82		1512.9							
12.7	OBS	T00424	13.47	35.797	26.93		1510.4							
12.7	OBS	00530	11.69	35.514	27.07		1505.7							
12.7	OBS	T00637	09.79	35.304	27.24		1500.5							
12.7	OBS	00858	06.59	35.120	27.59		1491.7							
12.7	OBS	T01075	05.45	35.114	27.73		1490.8							
12.7	OBS	T01625	03.98	34.981	27.79		1493.8							

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TABLE XXXVII.—Continued

REFID 31 1870 YEAR 1971 BOTDP 04297 AIR TEMP 23.0 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 06 SHIP BX WET BULB 22.0 21 2 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 17 DATA USE 1 BAROMETR 1022.3 SEA #IND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.2 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E58 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	21.94	36.230	25.19		1528.7							
12.2	OBS	00032	20.54	36.320	25.64		1525.7							
12.2	OBS	00059	18.17	36.338	26.27		1519.6							
12.2	OBS	00090	16.92	36.315	26.56		1516.4							
12.2	OBS	00116	16.73	36.307	26.60		1516.2							
12.2	OBS	00174	16.26	36.252	26.67		1515.7							
12.2	OBS	T00232	15.36	36.101	26.76		1513.7							
12.2	OBS	00350	13.73	35.829	26.90		1510.1							
12.2	OBS	T00468	11.81	35.542	27.06		1505.2							
12.2	OBS	00591	09.86	35.313	27.24		1500.0							
12.2	OBS	T00712	07.89	35.213	27.48		1494.5							
12.2	OBS	00958	06.24	35.188	27.69		1492.1							
12.2	OBS	T01209	04.44	35.000	27.76		1488.7							
12.2	OBS	T01856	03.78	34.982	27.82		1496.8							

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REFID 31 1870 YEAR 1971 BOTDP 02012 AIR TEMP 22.6 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 06 SHIP BX WET BULB 21.7 19 2 2 WIND-SPD 22 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 18 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 12.3 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 ORIG E58 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	21.90	36.332	25.28		1528.7							
12.3	OBS	00030	20.76	36.301	25.57		1526.2							
12.3	OBS	00056	17.90	36.318	26.32		1518.7							
12.3	OBS	00087	16.87	36.307	26.57		1516.2							
12.3	OBS	00113	16.71	36.310	26.61		1516.1							
12.3	OBS	00171	16.51	36.290	26.64		1516.4							
12.3	OBS	T00229	15.61	36.142	26.73		1514.5							
12.3	OBS	00347	14.18	35.899	26.86		1511.6							
12.3	OBS	T00466	12.57	35.643	26.99		1507.9							
12.3	OBS	00591	10.29	35.347	27.19		1501.6							
12.3	OBS	T00713	08.13	35.196	27.43		1495.4							
12.3	OBS	00961	06.20	35.191	27.70		1492.0							
12.3	OBS	T01215	04.58	35.014	27.76		1489.4							
12.3	OBS	T01871	03.79	34.978	27.81		1497.1							

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REFID 31 1870 YEAR 1971 BOTDP 03931 AIR TEMP 21.6 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 06 SHIP BX WET BULB 20.6 02 0 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 08 N DAY 19 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 12.0 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X8 ORIG E58 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	22.10	36.333	25.22		1529.2							
12.0	OBS	00025	22.07	36.338	25.23		1529.6							
12.0	OBS	00050	18.07	36.347	26.30		1519.1							
12.0	OBS	00075	17.01	36.336	26.55		1516.4							
12.0	OBS	00100	16.81	36.332	26.60		1516.2							
12.0	OBS	00150	16.53	36.295	26.64		1516.2							
12.0	OBS	T00205	15.90	36.165	26.68		1515.0							
12.0	OBS	00305	14.74	35.968	26.79		1512.8							
12.0	OBS	T00405	13.71	35.819	26.90		1510.9							
12.0	OBS	00510	12.01	35.551	27.03		1506.6							
12.0	OBS	T00610	10.38	35.362	27.19		1502.2							
12.0	OBS	00810	07.36	35.182	27.53		1494.0							
12.0	OBS	T01015	06.08	35.185	27.71		1492.4							
12.0	OBS	01525	04.04	34.976	27.78		1492.3							

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REFID 31 1870 YEAR 1971 BOTDP 03017 AIR TEMP 21.4 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 06 SHIP BX WET BULB 19.1 36 1 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 17 N DAY 20 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 25 W HOUR 13.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E58 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	22.07	36.299	25.20		1529.1							
13.1	OBS	00029	20.14	36.358	25.78		1524.6							
13.1	OBS	00054	17.77	36.332	26.37		1518.3							
13.1	OBS	00083	16.88	36.307	26.56		1516.1							
13.1	OBS	00107	16.77	36.304	26.59		1516.2							
13.1	OBS	00161	16.62	36.305	26.62		1516.6							
13.1	OBS	T00214	16.14	36.225	26.67		1515.9							
13.1	OBS	00320	14.97	36.020	26.78		1513.8							
13.1	OBS	00425	13.91	35.860	26.89		1511.9							
13.1	OBS	00530	12.38	35.612	27.01		1508.2							
13.1	OBS	T00635	10.00	35.322	27.22		1501.2							
13.1	OBS	00850	07.17	35.178	27.56		1493.9							
13.1	OBS	01061	05.96	35.143	27.69		1492.6							
13.1	OBS	T01591	04.22	34.987	27.77		1494.2							

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TABLE XXXVII.—Continued

REFID 31 1870 YEAR 1971 BOTDP 04023 AIR TEMP 21.5 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 06 SHIP BX WET BULB 16.7 36 2 3 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 21 DATA USE 1 BAROMETR 1024.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.2 AREA 05 CLOUD T/A 6/2 CL/TR /27 WEATHER X1 ORIG E58 008 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	22.53	36.223	25.02		1530.2							
12.2	OBS	00034	20.14	36.321	25.75		1524.6							
12.2	OBS	00053	18.42	36.337	26.21		1520.2							
12.2	OBS	00083	17.01	36.314	26.54		1516.5							
12.2	OBS	00107	16.64	36.294	26.61		1515.8							
12.2	OBS	00161	16.00	36.205	26.69		1514.6							
12.2	OBS	00215	15.13	36.054	26.77		1512.6							
12.2	OBS	00323	13.80	35.836	26.89		1509.9							
12.2	OBS	T00432	12.18	35.585	27.03		1505.9							
12.2	OBS	00540	10.33	35.349	27.19		1500.9							
12.2	OBS	T00648	08.41	35.217	27.40		1495.4							
12.2	OBS	00871	06.61	35.231	27.67		1492.2							
12.2	OBS	T01088	04.84	35.048	27.75		1488.4							
12.2	OBS	T01637	03.96	34.991	27.80		1493.9							
14.0	OBS	T01860	03.72	34.979	27.82		1496.6							
14.0	OBS	T02352	03.33	34.977	27.86		1503.4							
14.0	OBS	T02850	03.00	34.957	27.87		1510.5							
14.0	OBS	03353	02.54	34.932	27.89		1517.2							
14.0	OBS	T03669	02.33	34.917	27.90		1521.8							
14.0	OBS	T03767	02.28	34.912	27.90		1523.4							

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REFID 31 1870 YEAR 1971 BOTDP 04298 AIR TEMP 21.4 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 06 SHIP BX WET BULB 16.2 36 2 3 WIND-SPD 02 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 22 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG E58 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	22.59	36.230	25.00		1530.4							
12.0	OBS	00025	20.80	36.306	25.56		1526.2							
12.0	OBS	00049	18.60	36.339	26.16		1520.6							
12.0	OBS	00074	17.06	36.313	26.52		1516.5							
12.0	OBS	00098	16.69	36.297	26.60		1515.8							
12.0	OBS	00148	16.12	36.221	26.68		1514.8							
12.0	OBS	00202		36.094										
12.0	OBS	00301	14.14	35.892	26.86		1510.7							
12.0	OBS	T00399	12.72	35.658	26.98		1507.3							
12.0	OBS	00503	10.91	35.414	27.13		1502.4							
12.0	OBS	T00601	09.07	35.247	27.32		1497.2							
12.0	OBS	00799	07.20	35.288	27.64		1493.4							
12.0	OBS	T01001	05.32	35.088	27.73		1489.0							
12.0	OBS	T01506	04.07	34.986	27.79		1492.1							

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REFID 31 1870 YEAR 1971 BOTDP 04480 AIR TEMP 21.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 06 SHIP BX WET BULB 17.7 01 1 3 WIND-SPD 01 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 23 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.0 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E58 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	22.74	36.297	25.01		1530.8							
12.0	OBS	00025	21.99	36.287	25.22		1529.3							
12.0	OBS	00050	18.00	36.315	26.30		1518.9							
12.0	OBS	00075	16.91	36.308	26.56		1516.1							
12.0	OBS	00100	16.72	36.302	26.60		1515.9							
12.0	OBS	00150	16.38	36.271	26.65		1515.7							
12.0	OBS	T00206	15.44	36.111	26.75		1513.5							
12.0	OBS	00306	13.92	35.860	26.89		1510.0							
12.0	OBS	T00407	12.54	35.644	27.00		1506.8							
12.0	OBS	00513	10.55	35.389	27.18		1501.3							
12.0	OBS	T00613	08.91	35.247	27.35		1496.8							
12.0	OBS	00815	07.29	35.282	27.62		1494.0							
12.0	OBS	T01021	05.58	35.135	27.73		1490.4							
12.0	OBS	T01536	04.05	34.997	27.80		1492.6							

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REFID 31 1870 YEAR 1971 BOTDP 01652 AIR TEMP 23.0 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 06 SHIP BX WET BULB 18.7 49 1 WIND-SPD 02 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 24 DATA USE 1 BAROMETR 1029.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 12.0 AREA 05 CLOUD T/A 8/5 CL/TR /28 WEATHER X1 ORIG E58 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	23.08	36.292	24.91		1531.6							
12.0	OBS	00025	22.16	36.266	25.15		1529.7							
12.0	OBS	00050	19.68	36.284	25.84		1523.6							
12.0	OBS	00075	17.47	36.313	26.43		1517.8							
12.0	OBS	00100	16.75	36.305	26.55		1516.0							
12.0	OBS	00150	16.48	36.274	26.63		1516.0							
12.0	OBS	00205	15.45	36.109	26.74		1513.5							
12.0	OBS	00305	14.12	35.887	26.86		1510.7							
12.0	OBS	T00405	12.73	35.663	26.98		1507.4							
12.0	OBS	00510	11.03	35.430	27.12		1503.0							
12.0	OBS	T00611	09.22	35.265	27.31		1497.9							
12.0	OBS	00811	07.32	35.273	27.61		1494.0							
12.0	OBS	T01018	05.37	35.098	27.73		1489.5							
12.0	OBS	T01533	03.96	34.979	27.80		1492.1							

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TABLE XXXVII.—Continued

REFID 31 1870 YEAR 1971 BOTDP 04389 AIR TEMP 22.9 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 06 SHIP BX WET BULB 19.5 17 0 3 WIND-SPD 02 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 25 DATA USE 1 BAROMETR 1026.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E5o 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	23.07	36.226	24.86		1531.5							
11.9	OBS	00025	21.60	36.263	25.31		1528.3							
11.9	OBS	00050	18.59	36.304	26.14		1520.6							
11.9	OBS	00075	17.11	36.318	26.52		1516.7							
11.9	OBS	00100	16.79	36.308	26.59		1516.1							
11.9	OBS	00150	16.55	36.290	26.63		1516.2							
11.9	OBS	T00205	15.64	36.136	26.72		1514.1							
11.9	OBS	00305	14.04	35.872	26.87		1510.4							
11.9	OBS	T00405	12.58	35.638	26.99		1506.9							
11.9	OBS	00510	10.26	35.329	27.18		1500.1							
11.9	OBS	T00610	08.60	35.217	27.37		1495.5							
11.9	OBS	00810	07.07	35.271	27.64		1493.0							
11.9	OBS	T01015	05.81	35.183	27.74		1491.3							
11.9	OBS	01525	04.10	34.985	27.79		1492.6							

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REFID 31 1870 YEAR 1971 BOTDP 04481 AIR TEMP 22.7 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 06 SHIP BX WET BULB 19.6 20 1 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E58 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.28	36.221	24.80		1532.1							
12.2	OBS	00029	20.18	36.295	25.72		1524.6							
12.2	OBS	00054	17.84	36.306	26.33		1518.5							
12.2	OBS	00083	16.88	36.315	26.57		1516.1							
12.2	OBS	00108	16.57	36.298	26.63		1515.6							
12.2	OBS	00162	15.90	36.183	26.70		1514.3							
12.2	OBS	T00216	15.31	36.086	26.76		1513.2							
12.2	OBS	00325	13.87	35.858	26.89		1510.1							
12.2	OBS	T00433	11.67	35.508	27.06		1504.1							
12.2	OBS	00542	09.79	35.287	27.23		1498.9							
12.2	OBS	T00651	08.21	35.207	27.42		1494.7							
12.2	OBS	00874	06.39	35.194	27.68		1491.3							
12.2	OBS	T01092	04.99	35.066	27.75		1489.1							
12.2	OBS	01638	04.07	34.996	27.80		1494.4							

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REFID 31 1870 YEAR 1971 BOTDP 03383 AIR TEMP 23.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 06 SHIP BX WET BULB 21.1 2e 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 27 DATA USE 1 BAROMETR 1023.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 12.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E58 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	23.24	36.222	24.81		1532.0							
12.5	OBS	00029	20.51	36.284	25.62		1525.5							
12.5	OBS	00053	18.10	36.322	26.28		1519.2							
12.5	OBS	00081	16.86	36.314	26.57		1516.0							
12.5	OBS	00105	16.65	36.312	26.62		1515.8							
12.5	OBS	00157	16.09	36.217	26.68		1514.8							
12.5	OBS	00209		36.104										
12.5	OBS	00314	14.10	35.880	26.86		1510.7							
12.5	OBS	T00418	12.65	35.648	26.98		1507.4							
12.5	OBS	00522	10.51	35.363	27.16		1501.3							
12.5	OBS	T00625	08.53	35.209	27.38		1495.5							
12.5	OBS	00836	07.06	35.273	27.65		1493.4							
12.5	OBS	T01043	04.95	35.038	27.73		1488.1							

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REFID 31 1870 YEAR 1971 BOTDP 04115 AIR TEMP 23.3 DIR HGT PER WIND-DIR 2e INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 06 SHIP BX WET BULB 21.7 22 4 2 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 28 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E58 015 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	23.25	36.214	24.80		1532.0							
12.3	OBS	00028	20.67	36.264	25.56		1525.9							
12.3	OBS	00051	18.14	36.299	26.25		1519.3							
12.3	OBS	00078	16.93	36.305	26.55		1516.2							
12.3	OBS	00101	16.61	36.302	26.62		1515.6							
12.3	OBS	00152	15.93	36.186	26.69		1514.2							
12.3	OBS	T00202	15.28	36.076	26.76		1512.9							
12.3	OBS	00303	13.85	35.841	26.89		1509.7							
12.3	OBS	T00404	12.43	35.625	27.01		1506.4							
12.3	OBS	00506	10.96	35.415	27.12		1502.7							
12.3	OBS	T00609	09.03	35.243	27.32		1497.1							
12.3	OBS	00822	07.19	35.290	27.64		1493.7							
12.3	OBS	T01029	05.44	35.134	27.75		1490.0							

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TABLE XXXVIII.--Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 30 June 1971 - 24 July 1971, prepared from NODC listing No. 31 - 1917.

REFID 31 1917	YEAR 1971	BOTDP 02743	AIR TEMP 22.5	DIR HGT PER	WIND-DIR 19	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 07	SHIP AI	WET BULB 17.5	03 2 3	WIND-SPD 04	TRACE DIR	5 SQUARE 2
LAT 34 49 N	DAY 02	DATA USE 1	BAROMETR 1027.2	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 049 37 W	HOUR 20.5	AREA 05	CLOUD T/A 6/2	CL/TR /34	WEATHER X1	ORIG E59 001	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.5	OBS	00000	23.17	36.313	24.90		1531.9							
20.5	OBS	00025		36.234										
20.5	OBS	00050	18.25	36.357	26.27		1519.7							
20.5	OBS	00076	17.49	36.384	26.47		1517.9							
20.5	OBS	00101	17.04	36.348	26.56		1517.0							
20.5	OBS	00151	16.90	36.353	26.59		1517.4							
20.5	OBS	00206	16.72	36.328	26.62		1517.7							
20.5	OBS	00307	15.63	36.104	26.70		1515.8							
20.5	OBS	T00409	14.72	35.962	26.79		1514.4							
20.5	OBS	00515	13.29	35.742	26.93		1511.2							
20.5	OBS	T00616	11.51	35.497	27.09		1506.5							
20.5	OBS	00819	07.83	35.176	27.46		1496.0							
20.5	OBS	T01025	05.40	35.025	27.67		1489.6							
20.5	OBS	T01542	04.21	35.012	27.79		1493.4							

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REFID 31 1917	YEAR 1971	BOTDP 04572	AIR TEMP 23.5	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP AI	WET BULB 18.3	03 1 3	WIND-SPD 06	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 03	DATA USE 1	BAROMETR 1026.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 13.8	AREA 05	CLOUD T/A 6/2	CL/TR	WEATHER X1	ORIG E59 002	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	23.10	36.285	24.90		1531.7							
13.8	OBS	00030		36.282										
13.8	OBS	00055	18.59	36.317	26.15		1520.7							
13.8	OBS	00085	16.97	36.295	26.53		1516.4							
13.8	OBS	00110		36.289										
13.8	OBS	00166	15.69	36.158	26.73		1513.7							
13.8	OBS	00221	15.02	36.047	26.79		1512.4							
13.8	OBS	00331	13.84	35.866	26.91		1510.2							
13.8	OBS	T00442	11.99	35.560	27.04		1505.4							
13.8	OBS	00552	09.84	35.300	27.23		1499.2							
13.8	OBS	T00663	08.17	35.232	27.45		1494.8							
13.8	OBS	00890	05.70	35.177	27.75		1488.8							
13.8	OBS	T01112	04.68	35.022	27.75		1488.1							
13.8	OBS	T01666	03.87	34.982	27.81		1494.0							

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REFID 31 1917	YEAR 1971	BOTDP 03840	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 02	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP AI	WET BULB 20.0	31 2 3	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 04 N	DAY 05	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 12.8	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E59 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	23.15	36.203	24.82		1531.7							
12.8	OBS	00027	22.23	36.237	25.11		1529.9							
12.8	OBS	00050	19.85	36.294	25.81		1524.1							
12.8	OBS	00077	17.34	36.310	26.45		1517.4							
12.8	OBS	00100	16.72	36.293	26.59		1515.9							
12.8	OBS	00150	16.10	36.215	26.68		1514.8							
12.8	OBS	00201	15.05	36.049	26.79		1512.1							
12.8	OBS	00304	13.78	35.839	26.90		1509.5							
12.8	OBS	00406	12.35	35.616	27.02		1506.1							
12.8	OBS	00510	10.74	35.403	27.15		1501.9							
12.8	OBS	T00614	09.08	35.260	27.33		1497.4							
12.8	OBS	00827	06.25	35.108	27.63		1489.9							
12.8	OBS	01035	04.93	35.034	27.73		1487.9							
12.8	OBS	T01564	03.92	34.980	27.80		1492.5							

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TABLE XXXVIII.—Continued

REFID 31 1917 YEAR 1971 BOTDP 04846 AIR TEMP 22.0 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 07 SHIP AI WET BULB 16.0 09 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 51 N DAY 06 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR /29 WEATHER X1 ORIG E59 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	23.04	36.254	24.89		1531.5							
12.7	OBS	00025	21.54	36.293	25.35		1528.2							
12.7	OBS	00049	17.86	36.336	26.35		1518.5							
12.7	OBS	00074	17.03	36.328	26.54		1516.5							
12.7	OBS	00098	16.72	36.313	26.61		1515.9							
12.7	OBS	00202	15.60	36.146	26.74		1514.0							
12.7	OBS	00300	14.27	35.934	26.87		1511.1							
12.7	OBS	00399	13.03	35.729	26.97		1508.4							
12.7	OBS	00503	10.95	35.426	27.13		1502.6							
12.7	OBS	T00601	09.21	35.265	27.31		1497.7							
12.7	OBS	00798	06.84	35.183	27.61		1491.8							
12.7	OBS	00999	05.22	35.073	27.73		1488.5							
12.7	OBS	T01499	04.14	34.986	27.78		1492.3							

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REFID 31 1917 YEAR 1971 BOTDP 08229 AIR TEMP 23.7 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 07 SHIP AI WET BULB 18.9 08 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 07 DATA USE 1 BAROMETR 1030.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	22.88	36.305	24.98		1531.2							
12.7	OBS	00024	22.47	36.297	25.09		1530.5							
12.7	OBS	00049	18.28	36.325	26.23		1519.7							
12.7	OBS	00073	17.27	36.326	26.48		1517.1							
12.7	OBS	00097	16.91	36.304	26.55		1516.4							
12.7	OBS	00146	16.55	36.294	26.63		1516.2							
12.7	OBS	T00199	15.80	36.174	26.71		1514.6							
12.7	OBS	00296	14.33	35.928	26.85		1511.2							
12.7	OBS	T00393	12.93	35.700	26.97		1508.0							
12.7	OBS	00496	11.18	35.453	27.11		1503.3							
12.7	OBS	T00594	09.26	35.266	27.30		1497.8							
12.7	OBS	00791	06.73	35.149	27.59		1491.2							
12.7	OBS	T00993	05.35	35.098	27.73		1489.0							
12.7	OBS	T01499	04.02	34.987	27.80		1491.8							

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REFID 31 1917 YEAR 1971 BOTDP 04755 AIR TEMP 29.4 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 07 SHIP AI WET BULB 25.6 11 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 08 DATA USE 1 BAROMETR 1020.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR /35 WEATHER X1 ORIG E59 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	23.21	36.280	24.86		1532.0							
12.9	OBS	00027	22.46	36.279	25.08		1530.5							
12.9	OBS	00050	17.93	36.324	26.32		1518.7							
12.9	OBS	00077	16.86	36.310	26.57		1516.0							
12.9	OBS	00100	16.74	36.313	26.60		1516.0							
12.9	OBS	00151	16.43	36.275	26.64		1515.9							
12.9	OBS	T00201	15.42	36.105	26.75		1513.4							
12.9	OBS	00303	14.19	35.895	26.86		1510.9							
12.9	OBS	00404	13.00	35.712	26.96		1508.4							
12.9	OBS	00506	11.12	35.429	27.11		1503.2							
12.9	OBS	T00610	09.19	35.261	27.31		1497.8							
12.9	OBS	00821	06.99	35.238	27.63		1492.8							
12.9	OBS	T01030	05.50	35.128	27.74		1490.2							

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REFID 31 1917 YEAR 1971 BOTDP 03109 AIR TEMP 29.9 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 07 SHIP AI WET BULB 21.9 11 0 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 11 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	23.58	36.330	24.79		1532.9							
12.8	OBS	00024	22.82	36.329	25.01		1531.4							
12.8	OBS	00048	20.22	36.317	25.73		1525.1							
12.8	OBS	00072	17.12	36.320	26.52		1516.7							

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TABLE XXXVIII.—Continued

REFID 31 1917 YEAR 1971 BOTDP 03931 AIR TEMP 24.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 07 SHIP AI WET BULB 21.8 11 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 12 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 17.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.1	OBS	00000	23.93	36.275	24.65		1533.7							
17.1	OBS	00025	22.90	36.280	24.95		1531.6							
17.1	OBS	00050	18.91	36.324	26.07		1521.5							
17.1	OBS	00075	17.34											
17.1	OBS	00100	16.88	36.315	26.57		1516.4							
17.1	OBS	00150	16.65	36.306	26.62		1516.5							
17.1	OBS	T00205	15.62	36.134	26.72		1514.1							
17.1	OBS	00305	14.37	35.934	26.85		1511.5							
17.1	OBS	T00405	13.25	35.770	26.96		1509.3							
22.2	OBS	T01943	03.68	34.973	27.82		1497.9							
22.2	OBS	T02438	03.27	34.967	27.85		1504.6							
22.2	OBS	02931	02.88	34.938	27.87		1511.4							
22.2	OBS	T03705	02.37	34.901	27.88		1522.6							
22.2	OBS	T03804	02.27	34.899	27.89		1523.9							

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REFID 31 1917 YEAR 1971 BOTDP 04022 AIR TEMP 23.9 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 07 SHIP AI WET BULB 22.2 11 0 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.9 AREA 05 CLOUD T/A 8/5 CL/TR /38 WEATHER X1 ORIG E59 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	23.81	36.288	24.69		1533.4							
12.9	OBS	00024	21.97	36.283	25.22		1529.2							
12.9	OBS	00049	17.48	36.322	26.43		1517.4							
12.9	OBS	00073	16.96	36.315	26.55		1516.2							
12.9	OBS	00098	16.76	36.310	26.59		1516.0							
12.9	OBS	T00200	15.88	36.187	26.71		1514.9							
12.9	OBS	00298	14.56	35.961	26.83		1512.1							
12.9	OBS	T00396	13.43	35.772	26.92		1509.8							
12.9	OBS	00499	11.49	35.492	27.09		1504.5							
12.9	OBS	T00597	09.53	35.290	27.28		1498.8							
12.9	OBS	00792	07.33	35.248	27.59		1493.7							
12.9	OBS	T00993	05.73	35.140	27.72		1490.6							
12.9	OBS	T01493	04.06	34.978	27.78		1491.9							

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REFID 31 1917 YEAR 1971 BOTDP 04755 AIR TEMP 24.4 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 07 SHIP AI WET BULB 23.3 22 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 15 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 47 W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR /36 WEATHER X1 ORIG E59 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	24.00	36.303	24.65		1533.9							
12.9	OBS	00026	21.32	36.305	25.42		1527.6							
12.9	OBS	00047	18.28	36.322	26.23		1519.7							
12.9	OBS	00072	17.15	36.350	26.53		1516.8							
12.9	OBS	00091	16.87	36.320	26.58		1516.2							
12.9	OBS	00139	16.50	36.278	26.63		1515.9							
12.9	OBS	T00185	15.96	36.189	26.69		1514.9							
12.9	OBS	00276	14.81	35.986	26.79		1512.5							
12.9	OBS	00366	13.71	35.819	26.90		1510.2							
12.9	OBS	00453	12.28	35.596	27.02		1506.6							
12.9	OBS	T00540	10.78	35.405	27.15		1502.6							
12.9	OBS	00717	08.11	35.214	27.45		1495.4							
12.9	OBS	T00889	06.26	35.139	27.65		1491.0							

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REFID 31 1917 YEAR 1971 BOTDP 03658 AIR TEMP 25.2 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 07 SHIP AI WET BULB 23.9 22 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 16 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 13.4 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	24.28	36.276	24.54		1534.5							
13.4	OBS	00028	22.50	36.277	25.06		1530.6							
13.4	OBS	00052	18.26	36.342	26.25		1519.7							
13.4	OBS	00081	17.07	36.312	26.52		1516.7							
13.4	OBS	00105	16.82	36.310	26.58		1516.3							
13.4	OBS	00158	16.52	36.282	26.63		1516.2							
13.4	OBS	00212	15.93	36.186	26.69		1515.2							
13.4	OBS	00317	14.47	35.939	26.83		1512.1							
13.4	OBS	T00423	12.90	35.690	26.97		1508.3							
13.4	OBS	00529	10.97	35.427	27.13		1503.1							
13.4	OBS	T00636	09.10	35.239	27.31		1497.8							
13.4	OBS	00854	07.15	35.242	27.61		1494.0							
13.4	OBS	T01068	05.61	35.126	27.72		1491.3							
13.4	OBS	T01608	03.98	34.971	27.79		1493.5							

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TABLE XXXVIII.—Continued

REFID 31 1917 YEAR 1971 BOTDP 04755 AIR TEMP 25.0 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 07 SHIP AI WET BULB 23.3 20 0 3 WIND-SPD 06 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 17 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 13.0 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E59 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	24.67	36.299	24.44		1535.5							
13.0	OBS	00029	22.66	36.234	24.99		1531.0							
13.0	OBS	00053	18.58	36.316	26.15		1520.6							
13.0	OBS	00082	17.06	36.302	26.52		1516.6							
13.0	OBS	00106	16.77	36.296	26.58		1516.2							
13.0	OBS	00160	16.51	36.274	26.63		1516.2							
13.0	OBS	T00213	15.81	36.158	26.70		1514.8							

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REFID 31 1917 YEAR 1971 BOTDP 04023 AIR TEMP 26.7 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 07 SHIP AI WET BULB 23.3 27 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 18 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 13.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 CRIG E59 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	24.78	36.270	24.39		1535.7							
13.1	OBS	00028	21.23	36.303	25.44		1527.4							
13.1	OBS	00052	17.76	36.315	26.36		1518.2							
13.1	OBS	00080	16.91	36.305	26.55		1516.2							
13.1	OBS	00104	16.76	36.299	26.59		1516.1							
13.1	OBS	00157	16.49	36.275	26.63		1516.1							
13.1	OBS	T00210	15.94	36.183	26.69		1515.2							
13.1	OBS	00316	14.60	35.932	26.80		1512.4							
13.1	OBS	T00422	12.98	35.707	26.96		1508.6							
13.1	OBS	00530	10.81	35.399	27.14		1502.5							
13.1	OBS	00638	09.11	35.242	27.31		1497.9							
13.1	OBS	00859	06.42	35.140	27.63		1491.1							
13.1	OBS	T01076	04.89	35.025	27.73		1488.4							
13.1	OBS	T01624	03.93	34.969	27.79		1493.5							

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REFID 31 1917 YEAR 1971 BOTDP 03566 AIR TEMP 25.6 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 07 SHIP AI WET BULB 23.3 27 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 45 W HOUR 19.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.0	OBS	00000	25.20	36.311	24.29		1536.8							
19.0	OBS	00029	20.96	36.318	25.53		1526.7							
19.0	OBS	00053	18.24	36.342	26.26		1519.7							
19.0	OBS	00082	17.18	36.272	26.46		1517.0							
19.0	OBS	00106	16.61	36.188	26.54		1515.6							
19.0	OBS	00159	16.04	36.175	26.66		1514.7							
19.0	OBS	T00212	15.37	36.070	26.73		1513.3							
19.0	OBS	00318	14.35	35.913	26.83		1511.7							
19.0	OBS	T00425	12.82	35.668	26.96		1508.1							
19.0	OBS	00531	11.16	35.437	27.10		1503.8							
19.0	OBS	T00638	08.96	35.236	27.33		1497.3							
19.0	OBS	00856	06.25	35.102	27.62		1490.3							
19.0	OBS	T01068	04.85	34.999	27.71		1488.0							

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REFID 31 1917 YEAR 1971 BOTDP 04572 AIR TEMP 26.7 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 07 SHIP AI WET BULB 23.1 27 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 20 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 18.9 AREA 05 CLOUD T/A 8/2 CL/TR /39 WEATHER X1 ORIG E59 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.9	OBS	00000	25.73	36.323	24.14		1538.0							
18.9	OBS	00025	22.99	36.260	24.91		1531.8							
18.9	OBS	00049	18.61	36.327	26.15		1520.6							
18.9	OBS	00074	17.19	36.336	26.51		1516.9							
18.9	OBS	00099	16.77	36.313	26.59		1516.1							
18.9	OBS	00149	16.56	36.298	26.63		1516.2							
18.9	OBS	T00203	15.77	36.166	26.71		1514.6							
18.9	OBS	00303	14.44	35.942	26.84		1511.7							
18.9	OBS	00402	13.00	35.711	26.96		1508.3							
18.9	OBS	00507	11.36	35.454	27.08		1504.1							
18.9	OBS	T00606	09.38	35.266	27.28		1498.4							
18.9	OBS	00805	06.96	35.170	27.58		1492.4							
18.9	OBS	T01009	05.03	35.024	27.71		1487.8							

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TABLE XXXVIII.—Continued

REFID 31 1917 YEAR 1971 BOTDP 04846 AIR TEMP 25.0 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 07 SHIP AI WET BULB 23.3 29 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 21 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E59 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	25.20	36.330	24.31		1536.8							
12.9	OBS	00029	21.88	36.274	25.24		1529.1							
12.9	OBS	00053	18.12	36.317	26.27		1519.3							
12.9	OBS	00081	16.97	36.299	26.54		1516.4							
12.9	OBS	00105	16.77	36.292	26.58		1516.1							
12.9	OBS	00158	16.49	36.278	26.63		1516.2							
12.9	OBS	T00211	15.67	36.136	26.71		1514.3							
12.9	OBS	00316	14.23	35.896	26.85		1511.2							
12.9	OBS	00421	12.82	35.682	26.98		1508.0							
12.9	OBS	00526	10.81	35.403	27.14		1502.4							
12.9	OBS	T00631	09.01	35.248	27.33		1497.4							
12.9	OBS	00848	06.00	35.059	27.62		1489.1							
12.9	OBS	T01060	05.13	35.074	27.74		1489.2							
12.9	OBS	T01598	03.97	34.976	27.79		1493.3							

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REFID 31 1917 YEAR 1971 BOTDP 02926 AIR TEMP 27.8 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 07 SHIP AI WET BULB 22.8 35 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 22 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 11.7 AREA 05 CLOUD T/A 8/6 CL/TR /36 WEATHER X1 ORIG E59 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	25.27	36.327	24.28		1536.9							
11.7	OBS	00024	22.43	36.246	25.06		1530.4							
11.7	OBS	00044	18.65	36.323	26.14		1520.7							
11.7	OBS	00068	17.14	36.312	26.50		1516.7							
11.7	OBS	00088	16.79	36.295	26.58		1515.9							
11.7	OBS	00132	16.67	36.297	26.61		1516.3							
11.7	OBS	T00176	16.07	36.208	26.68		1515.1							
11.7	OBS	00262	14.44	35.936	26.83		1511.1							
11.7	OBS	T00348	13.71	35.818	26.90		1509.9							
11.7	OBS	00436	12.61	35.646	26.99		1507.5							
11.7	OBS	T00523	10.89	35.412	27.13		1502.7							
11.7	OBS	00704	08.05	35.211	27.45		1495.0							
11.7	OBS	T00887	05.60	35.050	27.66		1488.2							
11.7	OBS	T01380	04.16	34.979	27.77		1490.4							

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REFID 31 1917 YEAR 1971 BOTDP 03840 AIR TEMP 25.1 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1207
CONSEC 0018 MONTH 07 SHIP AI WET BULB 22.2 28 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 3
LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 40
LONG 050 04 W HOUR 13.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 018 1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	25.54	36.334	24.20		1537.6							
13.8	OBS	00024	22.77	36.274	24.99		1531.2							
13.8	OBS	00048	21.24	36.394	25.51		1527.9							
13.8	OBS	00071	19.77											
13.8	OBS	00095	18.93	36.456	26.17		1522.4							
13.8	OBS	00142	18.19	36.452	26.35		1521.1							
13.8	OBS	T00194	17.72	36.436	26.46		1520.6							
13.8	OBS	00289	17.37	36.424	26.53		1521.1							
13.8	OBS	00384	17.00	36.372	26.58		1521.5							
13.8	OBS	T00560	15.20	36.036	26.74		1518.5							
13.8	OBS	00737	11.73	35.494	27.04		1509.3							
13.8	OBS	00915	08.04	35.158	27.41		1498.3							
13.8	OBS	T01345	04.52	35.003	27.79		1491.3							

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TABLE XXXIX.–Observed and interpolated oceanographic data for stations taken by USCGC SPENCER at Ocean Station ECHO, 24 July 1971 - 17 August 1971, prepared from NODC listing No. 31 - 1905.

REFID 31 1905	YEAR 1971	BOTDP 02400	AIR TEMP 26.2	DIR HGT PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 07	SHIP SC	WET BULB 22.6	34 2 2	WIND-SPD 14	TRACE DIR	5 SQUARE 2
LAT 34 56 N	DAY 24	DATA USE 1	BAROMETR 1025.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 31 W	HOUR 16.7	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E60 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.7	OBS	00000	25.47	36.375	24.26		1537.5							
16.7	OBS	00026	21.28	36.319	25.44		1527.5							
16.7	OBS	00048	18.32	36.315	26.22		1519.8							
16.7	OBS	00074	17.14	36.314	26.51		1516.8							
16.7	OBS	00095	16.83	36.319	26.58		1516.2							
16.7	OBS	00143	16.49	36.300	26.65		1515.9							
16.7	OBS	00190	15.86	36.174	26.70		1514.6							
16.7	OBS	00285	14.86	36.038	26.82		1512.9							
16.7	OBS	T00380	13.74	35.830	26.90		1510.6							
16.7	OBS	00476	12.39	35.623	27.01		1507.4							
16.7	OBS	T00572	10.33	35.372	27.20		1501.4							
16.7	OBS	00781	07.26	35.205	27.56		1493.2							
16.7	OBS	00967		35.126										
16.7	OBS	T01461	04.03	35.003	27.81		1491.2							

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REFID 31 1905	YEAR 1971	BOTDP 02400	AIR TEMP 23.2	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP SC	WET BULB 22.4	35 4 2	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 35 04 N	DAY 25	DATA USE 1	BAROMETR 1022.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 08 W	HOUR 12.1	AREA 05	CLOUD T/A 7/7	CL/TR	WEATHER X6	ORIG E60 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.30	36.279	24.24		1537.0							
12.1	OBS	00028	22.86	36.248	24.94		1531.5							
12.1	OBS	00050	18.31	36.353	26.25		1519.8							
12.1	OBS	00078	16.97	36.320	26.55		1516.3							
12.1	OBS	00101	16.82	36.327	26.59		1516.3							
12.1	OBS	00151	16.52	36.288	26.63		1516.1							
12.1	OBS	00201	15.80	36.172	26.71		1514.6							
12.1	OBS	00301	14.53	35.970	26.84		1512.0							
12.1	OBS	T00401	13.35	35.768	26.93		1509.6							
12.1	OBS	00501	11.20	35.445	27.10		1503.5							
12.1	OBS	T00601	09.50	35.284	27.28		1498.8							
12.1	OBS	00805	06.72	35.144	27.59		1491.4							
12.1	OBS	01005	05.18	35.056	27.72		1488.4							
12.1	OBS	T01508	03.97	34.987	27.80		1491.8							

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REFID 31 1905	YEAR 1971	BOTDP 03658	AIR TEMP 26.0	DIR HGT PER	WIND-DIR 06	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP SC	WET BULB 22.0	01 2 3	WIND-SPD 13	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 26	DATA USE 1	BAROMETR 1024.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 12.6	AREA 05	CLOUD T/A 3/2	CL/TR /40	WEATHER X1	ORIG E60	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	25.50	36.367	24.24		1537.5							
12.6	OBS	00024	22.64	36.267	25.02		1530.9							
12.6	OBS	00048	18.44	36.335	26.20		1520.1							
12.6	OBS	00071	17.14	36.330	26.52		1516.7							
12.6	OBS	00095	16.86	36.316	26.57		1516.3							
12.6	OBS	00142	16.54	36.293	26.63		1516.1							
12.6	OBS	T00195	15.80	36.179	26.72		1514.5							
12.6	OBS	00289	14.57	35.961	26.82		1511.9							
12.6	OBS	T00384	13.32	35.761	26.93		1509.2							
12.6	OBS	00484	11.58	35.504	27.08		1504.6							
12.6	OBS	T00579	09.77	35.307	27.25		1499.4							
12.6	OBS	00769	07.50	35.224	27.54		1493.9							
12.6	OBS	00965		35.060										
12.6	OBS	T01452	04.01	34.999	27.81		1491.0							

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TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTDP 03548 AIR TEMP 25.0 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 07 SHIP SC WET BULB 22.1 35 1 3 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 27 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	25.71	36.378	24.18		1538.0							
12.0	OBS	00025	23.76	36.287	24.71		1533.7							
12.0	OBS	00050	18.70	36.337	26.14		1520.9							
12.0	OBS	00075	17.05	36.323	26.53		1516.5							
12.0	OBS	00100	16.85	36.317	26.58		1516.3							
12.0	OBS	00150	16.47	36.288	26.65		1516.0							
12.0	OBS	T00200	15.7[illegible]	36.162	26.72		1514.3							
12.0	OBS	00300	14.41	35.945	26.85		1511.6							
12.0	OBS	T00400	13.28	35.769	26.95		1509.3							
12.0	OBS	00500	11.67	35.517	27.07		1505.2							
12.0	OBS	T00600	09.35	35.284	27.30		1498.2							
12.0	OBS	00800	06.85	35.169	27.59		1491.9							
12.0	OBS	T01000	05.24	35.054	27.71		1488.6							
12.0	OBS	T01505	04.05	34.998	27.80		1492.1							

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REFID 31 1905 YEAR 1971 BOTDP 04300 AIR TEMP 25.1 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 07 SHIP SC WET BULB 22.5 49 3 2 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 34 54.4N DAY 28 DATA USE 1 BAROMETR 1023.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56.9W HOUR 13.1 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E60 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	25.62	36.363	24.20		1537.8							
13.1	OBS	00025	23.28	36.270	24.83		1532.5							
13.1	OBS	00046	18.34	36.332	26.22		1519.8							
13.1	OBS	00070	17.25											
13.1	OBS	00092	16.84	36.311	26.58		1516.2							
13.1	OBS	00137	16.59	36.292	26.62		1516.1							
13.1	OBS	00182	16.02	36.202	26.68		1515.0							
13.1	OBS	00274	14.73	35.987	26.81		1512.2							
13.1	OBS	00368	13.45	35.772	26.92		1509.4							
13.1	OBS	T00565	10.06	35.324	27.21		1500.3							
13.1	OBS	00766	06.99	35.131	27.54		1491.8							
13.1	OBS	00976	05.72	35.119	27.70		1490.2							
13.1	OBS	T01530	04.03	35.009	27.81		1492.4							

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REFID 31 1905 YEAR 1971 BOTDP 02926 AIR TEMP 23.8 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 07 SHIP SC WET BULB 21.8 01 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 01.4N DAY 29 DATA USE 1 BAROMETR 1019.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03.9W HOUR 12.6 AREA 05 CLOUD T/A 8/6 CL/TR /38 WEATHER X8 ORIG E60 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	25.18	36.328	24.31		1536.7							
12.6	OBS	00029	20.34	36.310	25.69		1525.1							
12.6	OBS	00054	17.55	36.322	26.41		1517.7							
12.6	OBS	00083	16.89	36.301	26.56		1516.2							
12.6	OBS	00107	16.74	36.288	26.58		1516.1							
12.6	OBS	00161	16.35	36.249	26.64		1515.7							
12.6	OBS	00215	15.57	36.105	26.71		1514.1							
12.6	OBS	00322	14.26	35.889	26.84		1511.4							
12.6	OBS	T00429	12.66	35.639	26.97		1507.6							
12.6	OBS	00536	10.40	35.328	27.16		1501.0							
12.6	OBS	T00644	08.77	35.231	27.36		1496.7							
12.6	OBS	00864	05.93	35.066	27.63		1489.1							

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REFID 31 1905 YEAR 1971 BOTDP 04993 AIR TEMP 26.4 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 07 SHIP SC WET BULB 23.4 05 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 33 40 N DAY 30 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 2 SQUARE 26
LONG 046 36 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 007 1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	25.95	36.798	24.43		1539.0							
12.0	OBS	00029	24.51	36.716	24.81		1536.1							
12.0	OBS	00053	20.85	36.609	25.78		1527.2							
12.0	OBS	00082	19.35	36.631	26.19		1523.6							
12.0	OBS	00106	18.62	36.561	26.33		1521.9							
12.0	OBS	00159	17.54	36.435	26.50		1519.5							
12.0	OBS	T00214	17.22	36.422	26.57		1519.4							
12.0	OBS	00319	16.88	36.370	26.61		1520.1							
12.0	OBS	T00426	15.97	36.204	26.70		1518.9							
12.0	OBS	00532	14.67	35.972	26.81		1516.3							
12.0	OBS	T00639	13.14	35.734	26.95		1512.7							
12.0	OBS	00857	08.60	35.209	27.37		1499.6							

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TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTDP 04755 AIR TEMP 26.5 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 07 SHIP SC WET BULB 22.5 13 1 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2
LAT 34 45 N DAY 31 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 35 W HOUR 13.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 008 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	25.40	36.286	24.21		1537.2							
13.1	OBS	00024	22.82	36.277	24.97		1531.4							
13.1	OBS	00047	18.70	36.348	26.15		1520.9							
13.1	OBS	00071	17.21	36.342	26.51		1517.0							
13.1	OBS	00094	16.86	36.315	26.57		1516.3							
13.1	OBS	00142	16.71	36.328	26.62		1516.6							
13.1	OBS	00194	16.17	36.227	26.67		1515.7							
13.1	OBS	00288	14.92	36.030	26.80		1513.1							
13.1	OBS	T00383	13.82	35.844	26.85		1510.9							
13.1	OBS	00482	12.40	35.629	27.02		1507.5							
13.1	OBS	T00576	10.58	35.410	27.19		1502.5							
13.1	OBS	00764	07.80	35.200	27.48		1495.0							
13.1	OBS	T00957	05.96	35.151	27.70		1490.9							
13.1	OBS	T01437	04.19	35.016	27.80		1491.5							

REFID 31 1905 YEAR 1971 BOTDP 04023 AIR TEMP 25.1 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 08 SHIP SC WET BULB 21.1 09 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 01 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 048 17 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	25.63	36.387	24.22		1537.8							
13.0	OBS	00024	23.35	36.302	24.84		1532.7							
13.0	OBS	00047	18.69	36.349	26.15		1520.9							
13.0	OBS	00071	17.22	36.333	26.50		1517.0							
13.0	OBS	00094	16.90	36.356	26.60		1516.4							
13.0	OBS	00141	16.62	36.312	26.63		1516.3							
13.0	OBS	T00193	15.97	36.203	26.76		1515.1							
13.0	OBS	00287	14.69	36.004	26.83		1512.3							
13.0	OBS	T00382	13.53	35.807	26.93		1509.9							
13.0	OBS	00481	11.93	35.562	27.06		1505.8							
13.0	OBS	T00576	10.19	35.395	27.25		1501.0							
13.0	OBS	00765	07.50	35.233	27.55		1493.9							
13.0	OBS	00961	05.20	35.046	27.71		1487.8							
13.0	OBS	T01458	04.07	35.009	27.81		1491.4							

REFID 31 1905 YEAR 1971 BOTDP 02910 AIR TEMP 25.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 08 SHIP SC WET BULB 22.5 09 0 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 02 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 51 W HOUR 13.1 AREA 05 CLOUD T/A 8/2 CL/TR /46 WEATHER X1 ORIG E60 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	25.82	36.390	24.16		1538.3							
13.1	OBS	00024	23.45	36.364	24.86		1533.0							
13.1	OBS	00047	19.53	36.370	25.95		1523.2							
13.1	OBS	00071	17.16	36.384	26.55		1516.9							
13.1	OBS	00094	16.77	36.395	26.66		1516.1							
13.1	OBS	00141	16.06	36.213	26.68		1514.5							
13.1	OBS	00193	15.40	36.096	26.74		1513.2							
13.1	OBS	00287	14.27	35.936	26.87		1510.9							
13.1	OBS	T00382	13.23	35.755	26.95		1508.6							
13.1	OBS	00481	11.53	35.511	27.09		1504.4							
13.1	OBS	00576	09.44	35.316	27.28		1498.9							
13.1	OBS	00766	06.92	35.163	27.58		1491.6							
13.1	OBS	T00961	05.66	35.174	27.75		1489.8							
13.1	OBS	T01461	04.03	34.988	27.79		1491.2							

REFID 31 1905 YEAR 1971 BOTDP 04389 AIR TEMP 25.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 08 SHIP SC WET BULB 22.4 09 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 03 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 52 W HOUR 19.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.3	OBS	00000	26.42	36.340	23.93		1539.6							
19.3	OBS	00025	23.32	36.243	24.80		1532.8							
19.3	OBS	00050	19.67	36.298	25.86		1523.6							
19.3	OBS	00075	17.20	36.303	26.48		1516.9							
19.3	OBS	00100	16.63	36.289	26.61		1515.6							
19.3	OBS	00150	15.73	36.149	26.71		1513.5							
19.3	OBS	T00206	14.86	35.992	26.78		1511.5							
19.3	OBS	00307	13.81	35.833	26.89		1509.6							
19.3	OBS	T00408	12.26	35.599	27.02		1505.8							
19.3	OBS	00515	10.68	35.400	27.16		1501.8							
19.3	OBS	00617	08.62	35.209	27.36		1495.7							
19.3	OBS	00821	06.06	35.076	27.63		1489.0							
19.3	OBS	T01031	04.93	35.036	27.73		1487.8							
19.3	OBS	T01552	03.99	34.991	27.80		1492.6							

TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTDP 04343 AIR TEMP 25.6 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 08 SHIP SC WET BULB 22.7 07 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 04 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 012 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.98	36.355	24.08		1538.0							
12.3	OBS	00025	22.00	36.291	25.22		1529.3							
12.3	OBS	00049	18.69	36.311	26.12		1520.8							
12.3	OBS	00074	17.13	36.314	26.51		1516.7							
12.3	OBS	00099	16.73	36.266	26.57		1515.9							
12.3	OBS	00149	16.27	36.245	26.66		1515.3							
12.3	OBS	T00204	15.63	36.135	26.72		1514.1							
12.3	OBS	00304	14.33	35.921	26.85		1511.4							
12.3	OBS	T00404	12.85	35.688	26.97		1507.8							
12.3	OBS	00508	11.24	35.462	27.11		1503.7							
12.3	OBS	T00608	09.35	35.279	27.30		1498.3							
12.3	OBS	00807	06.26	35.108	27.62		1489.6							
12.3	OBS	T01012	05.18	35.076	27.74		1488.6							
12.3	OBS	01520	03.98	34.991	27.80		1492.0							

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REFID 31 1905 YEAR 1971 BOTDP 02286 AIR TEMP 26.1 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 08 SHIP SC WET BULB 22.5 10 1 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 03.5N DAY 05 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09.0W HOUR 12.3 AREA 05 CLOUD T/A 9/6 CL/TR /40 WEATHER X8 ORIG E60 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.92	36.401	24.14		1538.5							
12.3	OBS	00025	24.48	36.317	24.51		1535.5							
12.3	OBS	00045	19.50	36.345	25.94		1523.1							
12.3	OBS	00069	17.87	36.345	26.35		1518.9							
12.3	OBS	00088	17.13	36.342	26.53		1517.0							
12.3	OBS	00132	16.75	36.331	26.61		1516.0							
12.3	OBS	T00176	16.19	36.245	26.68		1515.5							
12.3	OBS	00264	14.96	36.034	26.79		1512.9							
12.3	OBS	00353	13.75	35.835	26.90		1510.2							
12.3	OBS	00444	12.63	35.664	27.00		1507.7							
12.3	OBS	T00537	10.54	35.378	27.17		1501.6							
12.3	OBS	00732	07.71	35.241	27.53		1494.2							
12.3	OBS	T00931	05.89	35.138	27.70		1490.2							
12.3	OBS	T01454	04.07	35.007	27.81		1491.3							

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REFID 31 1905 YEAR 1971 BOTDP 03109 AIR TEMP 25.4 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 08 SHIP SC WET BULB 22.8 15 2 3 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 06 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 12.3 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E60 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.46	36.352	24.24		1537.4							
12.3	OBS	00028	23.94	36.262	24.63		1534.2							
12.3	OBS	00052	19.75	36.349	25.87		1523.9							
12.3	OBS	00079	17.40	36.305	26.44		1517.6							
12.3	OBS	00103	16.76	36.335	26.61		1516.1							
12.3	OBS	00155	16.41	36.283	26.66		1515.9							
12.3	OBS	T00206	15.71	36.150	26.72		1514.4							
12.3	OBS	00310	14.36	35.949	26.86		1511.6							
12.3	OBS	00412	12.90	35.690	26.97		1508.2							

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REFID 31 1905 YEAR 1971 BOTDP 04023 AIR TEMP 27.9 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 08 SHIP SC WET BULB 25.0 18 2 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.9 AREA 05 CLOUD T/A 8/6 CL/TR /38 WEATHER X1 ORIG E60 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	25.77	36.235	24.06		1538.0							
12.9	OBS	00027	24.91	36.325	24.39		1536.5							
12.9	OBS	00050	20.40	36.337	25.69		1525.6							
12.9	OBS	00077	17.76	36.375	26.40		1518.7							
12.9	OBS	00100	17.04	36.338	26.55		1516.9							
12.9	OBS	00150	16.64	36.335	26.64		1516.5							
12.9	OBS	T00200	16.11	36.230	26.69		1515.6							
12.9	OBS	00299	14.81	36.069	26.85		1513.0							
12.9	OBS	T00398	13.64	35.818	26.91		1510.5							
12.9	OBS	00497	12.10	35.578	27.04		1506.7							
12.9	OBS	00596	10.36	35.363	27.19		1501.9							
12.9	OBS	00797	07.47	35.229	27.55		1494.3							
12.9	OBS	00993	06.10	35.177	27.70		1492.1							
12.9	OBS	T01489	04.13	35.036	27.82		1492.2							

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TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTDP 04000 AIR TEMP 25.3 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 08 SHIP SC WET BULB 21.8 00 0 X WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1021.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.53	36.303	24.18		1537.5							
12.3	OBS	00024	25.58	36.302	24.17		1538.0							
12.3	OBS	00048	21.83	36.314	25.28		1529.3							
12.3	OBS	00071	19.17	36.304	25.99		1522.5							
12.3	OBS	00095	17.32	36.293	26.45		1517.6							
12.3	OBS	T00194	15.38	36.125	26.77		1513.1							
12.3	OBS	00288	14.07	35.896	26.88		1510.2							
12.3	OBS	00383	13.02	35.742	26.98		1508.1							
12.3	OBS	00481	11.27	35.470	27.11		1503.4							
12.3	OBS	T00576	09.68	35.316	27.27		1499.1							
12.3	OBS	00765	07.59	35.289	27.58		1494.3							
12.3	OBS	00959	05.71	35.153	27.73		1489.9							
12.3	OBS	T01442	04.17	35.030	27.81		1491.5							

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REFID 31 1905 YEAR 1971 BOTDP 04100 AIR TEMP 27.6 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 08 SHIP SC WET BULB 22.4 04 0 2 WIND-SPD 02 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 12 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 13 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR /44 WEATHER X1 ORIG E60 017 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.71	36.292	24.12		1537.9							
12.3	OBS	00024	25.53	36.317	24.19		1537.9							
12.3	OBS	00049	20.68	36.336	25.62		1528.3							
12.3	OBS	00073	18.80	36.347	26.12		1521.6							
12.3	OBS	00097	17.06	36.336	26.54		1516.9							
12.3	OBS	00146	16.72	36.335	26.62		1516.7							
12.3	OBS	T00199	16.07	36.347	26.78		1515.6							
12.3	OBS	00296	14.76	36.235	26.99		1513.0							
12.3	OBS	00392	13.50	36.008	27.09		1510.2							
12.3	OBS	00493	12.21	35.835	27.21		1507.3							
12.3	OBS	T00589	10.70	35.616	27.33		1503.4							
12.3	OBS	00780	07.67	35.262	27.55		1494.6							
12.3	OBS	T00976	05.41	35.082	27.71		1488.9							
12.3	OBS	T01465	04.11	35.037	27.83		1491.7							

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REFID 31 1905 YEAR 1971 BOTDP 04200 AIR TEMP 25.1 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 08 SHIP SC WET BULB 22.9 15 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1025.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E60 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	26.29	36.323	23.96		1539.3							
12.3	OBS	00025		36.269										
12.3	OBS	00050	20.03	36.376	25.82		1524.6							
12.3	OBS	00075	17.86	36.343	26.35		1518.9							
12.3	OBS	00100	16.85	36.337	26.59		1516.4							
12.3	OBS	00150	16.50	36.299	26.65		1516.1							
12.3	OBS	T00205	15.68	36.152	26.72		1514.3							
12.3	OBS	00305	14.50	35.974	26.85		1512.0							
12.3	OBS	T00406	13.54	35.802	26.92		1510.3							
12.3	OBS	00511	11.62	35.511	27.08		1505.2							
12.3	OBS	00611	10.16	35.374	27.24		1501.5							
12.3	OBS	00811	07.32	35.234	27.58		1494.0							
12.3	OBS	T01016	05.54	35.087	27.70		1490.1							
12.3	OBS	T01527	04.20	35.032	27.81		1493.1							

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REFID 31 1905 YEAR 1971 BOTDP 04000 AIR TEMP 26.4 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 08 SHIP SC WET BULB 22.3 15 0 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 14 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 12.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 019 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	26.31	36.282	23.92		1539.3							
12.5	OBS	00025	24.82	36.278	24.38		1536.2							
12.5	OBS	00050	19.78	36.319	25.84		1523.9							
12.5	OBS	00075	17.46	36.381	26.48		1517.8							
12.5	OBS	00100	16.87	36.362	26.61		1516.4							
12.5	OBS	00150	16.54	36.340	26.67		1516.2							
12.5	OBS	T00200	15.98	36.266	26.74		1515.3							
12.5	OBS	00300	14.61	36.010	26.85		1512.3							
12.5	OBS	T00400	13.29	35.800	26.97		1509.4							
12.5	OBS	00500	11.84	35.558	27.07		1505.8							
12.5	OBS	00599	10.06	35.327	27.22		1500.9							
12.5	OBS	00797	07.25	35.196	27.56		1493.4							
12.5	OBS	00995	05.58	35.106	27.71		1490.0							
12.5	OBS	T01486	04.06	35.003	27.80		1491.8							

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TABLE XXXIX.—Continued

REFID 31 1905	YEAR 1971	BOTDP 04100	AIR TEMP 25.5	DIR HGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SQ 1206
CONSEC 0020	MONTH 08	SHIP SC	WET BULB 21.9	07 1 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 31 N	DAY 15	DATA USE 1	BAROMETR 1026.2	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 10 W	HOUR 12.5	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	ORIG E60 020	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	25.89	36.305	24.07		1538.3							
12.5	OBS	00026	23.64	36.342	24.78		1533.5							
12.5	OBS	00047	21.27	36.435	25.53		1528.0							
12.5	OBS	00071	19.26	36.474	26.10		1523.0							
12.5	OBS	00092	18.67	36.501	26.27		1521.7							
12.5	OBS	00138	18.09	36.485	26.40		1520.8							
12.5	OBS	T00184	17.76	36.454	26.46		1520.6							
12.5	OBS	00278	17.35	36.429	26.54		1520.9							
12.5	OBS	T00367	17.00	36.392	26.60		1521.3							
12.5	OBS	00458	16.04	36.201	26.68		1519.6							

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REFID 31 1905	YEAR 1971	BOTDP 04100	AIR TEMP 25.9	DIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1206
CONSEC 0021	MONTH 08	SHIP SC	WET BULB 22.3	09 1 <	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 58 N	DAY 16	DATA USE 1	BAROMETR 1026.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 10 W	HOUR 11.6	AREA 05	CLOUD T/A 8/5	CL/TR /37	WEATHER X4	ORIG E60 021	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	26.36	36.372	23.98		1539.5							
11.6	OBS	00026	24.48	36.336	24.53		1535.5							
11.6	OBS	00051	20.23	36.339	25.74		1525.2							
11.6	OBS	00077	18.53	36.361	26.20		1520.9							
11.6	OBS	00102	17.27	36.336	26.49		1517.6							
11.6	OBS	00153	16.77	36.311	26.59		1517.0							
11.6	OBS	T00210	16.44	36.268	26.64		1516.8							
11.6	OBS	00312	15.17	36.063	26.77		1514.3							
11.6	OBS	T00414	13.75	35.814	26.85		1511.2							
11.6	OBS	00522	12.14	35.589	27.04		1507.3							
11.6	OBS	00624	10.28	35.357	27.20		1502.1							
11.6	OBS	00829	07.50	35.203	27.53		1494.9							
11.6	OBS	T01039	05.58	35.099	27.70		1490.7							
11.6	OBS	T01561	04.00	35.009	27.81		1492.8							

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TABLE XL.–Observed and interpolated oceanographic data for stations taken by USCGC SHERMAN at Ocean Station ECHO, 17 August 1971 - 14 September 1971, prepared from NODC listing No. 31 - 1916.

REFID 31 1916	YEAR 1971	BOTDP 04682	AIR TEMP 26.7	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 08	SHIP 1H	WET BULB 22.1	29 2 4	WIND-SPD 03	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 17	DATA USE 1	BAROMETR 1026.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 55 W	HOUR 13.4	AREA 05	CLOUD T/A 8/5	CL/TR /30	WEATHER X1	ORIG E61 001	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	26.30	36.350	23.98		1539.3							
13.4	OBS	00030	25.30											
13.4	OBS	00054	19.57											
13.4	OBS	00083	18.04											
13.4	OBS	00107	16.65											
13.4	OBS	00161	16.66											
13.4	OBS	T00215	16.19											
13.4	OBS	00322	14.67											
13.4	OBS	T00429	13.46											
13.4	OBS	00537	11.18	35.420	27.09		1503.9							
13.4	OBS	T00645	09.36	35.267	27.29		1499.0							
13.4	OBS	00866	06.95	35.222	27.62		1493.4							
13.4	OBS	T01084	05.72	35.145	27.72		1492.0							
13.4	OBS	01630	04.04	35.000	27.80		1494.1							

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REFID 31 1916	YEAR 1971	BOTDP 04297	AIR TEMP 26.1	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 08	SHIP 1H	WET BULB 22.4	25 2 2	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 58.3N	DAY 18	DATA USE 1	BAROMETR 1023.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 01.2W	HOUR 12.1	AREA 05	CLOUD T/A 9/4	CL/TR	WEATHER X1	ORIG E61 002	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	26.15	36.348	24.02		1539.0							
12.1	OBS	00022	25.67	36.334	24.16		1538.2							
12.1	OBS	00042	23.55	36.289	24.77		1533.5							
12.1	OBS	00065	20.36	36.318	25.69		1525.7							
12.1	OBS	00085	18.17	36.321	26.26		1520.0							
12.1	OBS	00127	16.78	36.280	26.57		1516.5							
12.1	OBS	T00170	16.30	36.212	26.63		1515.7							
12.1	OBS	00255	15.05	36.013	26.76		1513.0							
12.1	OBS	T00340	13.75	35.747	26.83		1509.9							
12.1	OBS	00424	12.90	35.698	26.97		1508.4							
12.1	OBS	T00505	11.46	35.491	27.09		1504.5							
12.1	OBS	00670	08.36	35.251	27.44		1495.6							
12.1	OBS	00829	07.48	35.220	27.54		1494.9							
12.1	OBS	T01223	05.31	35.144	27.77		1492.7							

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REFID 31 1916	YEAR 1971	BOTDP 04471	AIR TEMP 25.6	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 08	SHIP 1H	WET BULB 23.1	25 2 2	WIND-SPD 15	TRACE DIR	5 SQUARE 2
LAT 34 59.3N	DAY 19	DATA USE 1	BAROMETR 1021.8	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 56.6W	HOUR 12.0	AREA 05	CLOUD T/A 8/6	CL/TR /42	WEATHER X1	ORIG E61 003	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	26.05	36.278	24.00		1538.7							
12.0	OBS	00020	26.01	36.284	24.02		1538.9							
12.0	OBS	00038	21.74	36.298	25.30		1528.9							
12.0	OBS	00060	18.64	36.330	26.15		1520.9							
12.0	OBS	00078	17.38	36.299	26.44		1517.5							
12.0	OBS	00118	16.70	36.287	26.59		1516.1							
12.0	OBS	T00159	16.50	36.245	26.61		1516.2							
12.0	OBS	00239	15.26	36.046	26.74		1513.4							
12.0	OBS	T00314	14.40	35.893	26.81		1511.7							
12.0	OBS	00384	13.43	35.778	26.93		1509.6							
12.0	OBS	T00450	12.53	35.714	27.06		1507.6							
12.0	OBS	00548	10.90	35.444	27.16		1503.2							
12.0	OBS	T00628	09.51	35.292	27.28		1499.3							
12.0	OBS	T00808	07.41	35.214	27.55		1494.2							

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TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTDP 04572 AIR TEMP 21.9 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 08 SHIP 1H WET BULB 21.6 10 2 2 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 57.5N DAY 20 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57.5W HOUR 12.4 AREA 05 CLOUD T/A 9/8 CL/TR WEATHER X6 ORIG E61 004 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	25.36	34.537	22.90		1535.2							
12.4	OBS	00024	24.88											
12.4	OBS	00047	21.05	36.307	25.49		1527.2							
12.4	OBS	00070	18.58	36.317	26.15		1520.9							
12.4	OBS	00093	17.51	36.315	26.42		1518.2							
12.4	OBS	00139	16.61	36.293	26.62		1516.2							
12.4	OBS	T00190	16.09	36.200	26.67		1515.4							
12.4	OBS	00283	14.68	35.968	26.81		1512.2							
12.4	OBS	00376	13.58	35.750	26.87		1509.9							
12.4	OBS	00475	12.08	35.571	27.04		1506.3							
12.4	OBS	00570	10.49	35.379	27.18		1502.0							
12.4	OBS	00761	07.73	35.214	27.50		1494.7							
12.4	OBS	T00959	06.14	35.170	27.69		1491.7							
12.4	OBS	T01453	04.28	35.025	27.80		1492.2							

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REFID 31 1916 YEAR 1971 BOTDP 04252 AIR TEMP 26.0 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 08 SHIP 1H WET BULB 23.6 20 3 2 WIND-SPD 17 TRACE DIR 5 SQUARE 4
LAT 35 05.8N DAY 21 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56.3W HOUR 15.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.3	OBS	00000	26.07	36.262	23.98		1538.7							
15.3	OBS	00025	25.61	36.298	24.15		1538.1							
15.3	OBS	00045	22.90	36.280	24.95		1531.9							
15.3	OBS	00070	19.75	36.303	25.84		1524.1							
15.3	OBS	00090	18.05	36.291	26.27		1519.7							
15.3	OBS	00131	15.30	36.055	26.74		1511.8							
15.3	OBS	T00174	14.88	36.007	26.79		1511.1							
15.3	OBS	00264	14.01	35.883	26.88		1509.6							
15.3	OBS	00453	12.29	35.612	27.03		1506.7							
15.3	OBS	00545	10.80	35.412	27.15		1502.7							
15.3	OBS	00730	08.17	35.300	27.50		1496.0							
15.3	OBS	T00926	05.82	35.101	27.68		1489.8							
15.3	OBS	T01458	04.16	34.994	27.79		1491.7							

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REFID 31 1916 YEAR 1971 BOTDP 04114 AIR TEMP 25.9 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 08 SHIP 1H WET BULB 22.2 18 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 07.5N DAY 22 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01.6W HOUR 11.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	25.96	36.275	24.03		1538.5							
11.9	OBS	00029	24.14	36.292	24.60		1534.7							
11.9	OBS	00054	19.68	36.324	25.87		1523.7							
11.9	OBS	00084	17.13	36.312	26.51		1516.9							
11.9	OBS	00108	16.80	36.315	26.59		1516.3							
11.9	OBS	00163	16.63	36.314	26.63		1516.7							
11.9	OBS	T00218	15.97	36.184	26.68		1515.4							
11.9	OBS	00330	14.55	35.962	26.83		1512.6							
11.9	OBS	00563	10.84	35.411	27.14		1503.2							
11.9	OBS	T00679	09.20	35.294	27.34		1499.0							
11.9	OBS	00915	06.22	35.173	27.68		1491.3							
11.9	OBS	T01156	04.88	35.068	27.76		1489.7							
11.9	OBS	T01779	03.83	34.983	27.81		1495.7							

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REFID 31 1916 YEAR 1971 BOTDP 04023 AIR TEMP 25.7 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 08 SHIP 1H WET BULB 23.2 17 3 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 23 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 048 01 W HOUR 11.6 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	25.67	36.194	24.06		1537.7							
11.6	OBS	00025	23.97	36.269	24.63		1534.2							
11.6	OBS	00049	20.25	36.341	25.74		1525.2							
11.6	OBS	00074	18.24	36.326	26.24		1520.0							
11.6	OBS	00098	17.16	36.317	26.50		1517.2							
11.6	OBS	00148	16.76	36.308	26.59		1516.8							
11.6	OBS	T00202	16.40	36.262	26.64		1516.6							
11.6	OBS	00300	15.21	36.050	26.75		1514.3							
11.6	OBS	00399	13.98	35.842	26.86		1511.7							
11.6	OBS	00502	12.70	35.666	26.99		1508.9							
11.6	OBS	T00601	10.87	35.419	27.14		1503.9							
11.6	OBS	00798	08.07	35.268	27.49		1496.7							
11.6	OBS	T01001	05.67	35.080	27.68		1490.4							
11.6	OBS	T01504	04.21	35.008	27.79		1492.7							

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TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTDP 04572 AIR TEMP 25.6 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 08 SHIP 1H WET BULB 23.1 12 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 24 DATA USE 1 BAROMETR 1027.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 048 01 W HOUR 11.4 AREA 05 CLOUD T/A 8/5 CL/TR /16 WEATHER X1 ORIG E61 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	25.52	36.241	24.14		1537.4							
11.9	OBS	00033		36.251										
11.9	OBS	00061	19.36	36.339	25.97		1522.9							
11.9	OBS	00094	17.51	36.331	26.43		1518.2							
11.9	OBS	00123	16.94	36.316	26.56		1517.0							
11.9	OBS	00184	16.59	36.305	26.63		1516.9							
11.9	OBS	T00246	15.92	36.188	26.70		1515.7							
11.9	OBS	00369	14.52	35.965	26.84		1513.1							
11.9	OBS	00491	13.14	35.744	26.96		1510.3							
11.9	OBS	00618	10.82	35.417	27.15		1504.0							
11.9	OBS	T00740	08.67	35.219	27.36		1497.9							
11.9	OBS	00984	06.12	35.175	27.70		1492.0							
11.9	OBS	T01230	04.96	35.115	27.79		1491.4							
11.9	OBS	T01852	03.82	35.001	27.83		1497.0							

REFID 31 1916 YEAR 1971 BOTDP 04572 AIR TEMP 25.3 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 08 SHIP 1H WET BULB 22.3 12 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 25 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 009 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	25.64	36.376	24.20		1537.9							
13.0	OBS	00025	21.73	36.431	25.40		1526.8							
13.0	OBS	00049	19.69	36.462	25.98		1520.8							
13.0	OBS	00074	18.38	36.472	26.32		1520.6							
13.0	OBS	00099	18.02	36.462	26.40		1519.6							
13.0	OBS	00148	17.72	36.462	26.48		1519.9							
13.0	OBS	T00203	17.43	36.432	26.53		1519.9							
13.0	OBS	00302	17.00	36.388	26.60		1520.2							
13.0	OBS	00506	14.24	35.866	26.82		1514.3							
13.0	OBS	T00605	12.11	35.534	27.00		1508.4							
13.0	OBS	00804	08.22	35.264	27.47		1497.3							
13.0	OBS	T01007	06.04	35.113	27.66		1492.0							
13.0	OBS	T01515	04.25	35.010	27.75		1493.1							

REFID 31 1916 YEAR 1971 BOTDP 03658 AIR TEMP 25.1 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 08 SHIP 1H WET BULB 22.6 10 2 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 26 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 20.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E61 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.9	OBS	00000	25.92	36.253	24.02		1538.4							
20.9	OBS	00030	21.36	36.416	25.49		1527.9							
20.9	OBS	00054	19.18	36.446	26.10		1522.5							
20.9	OBS	00084	18.14	36.439	26.36		1520.0							
20.9	OBS	00109	17.81	36.447	26.44		1519.5							
20.9	OBS	00163	17.53	36.442	26.51		1519.5							
20.9	OBS	T00217	17.33	36.426	26.55		1519.8							
20.9	OBS	00326	16.86	36.352	26.60		1520.1							
20.9	OBS	00544	13.72	35.811	26.89		1513.2							
20.9	OBS	00652	11.31	35.439	27.08		1506.3							
20.9	OBS	00875	07.39	35.232	27.57		1495.3							
20.9	OBS	T01093	05.32	35.070	27.71		1490.5							
20.9	OBS	T01640	04.09	34.996	27.79		1494.5							

REFID 31 1916 YEAR 1971 BOTDP 04572 AIR TEMP 26.0 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 08 SHIP 1H WET BULB 22.3 12 3 3 WIND-SPD 03 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 27 DATA USE 1 BAROMETR 1025.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 44 W HOUR 12.4 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	25.57	36.221	24.11		1537.5							
12.4	OBS	00025	23.15	36.349	24.93		1532.3							
12.4	OBS	00050	19.20	36.430	26.08		1522.4							
12.4	OBS	00075	18.10	36.443	26.37		1519.7							
12.4	OBS	00100	17.78	36.462	26.46		1519.2							
12.4	OBS	00149	17.48	36.440	26.52		1519.1							
12.4	OBS	T00204	17.24	36.415	26.56		1519.3							
12.4	OBS	00304	16.77	36.350	26.62		1519.5							
12.4	OBS	T00404	14.95	35.985	26.76		1515.1							
12.4	OBS	00509	13.18	35.744	26.95		1510.7							
12.4	OBS	T00609	10.68	35.354	27.13		1503.3							
12.4	OBS	00808	07.99	35.210	27.46		1496.5							
12.4	OBS	T01013	05.77	35.080	27.67		1491.0							
12.4	OBS	T01521	04.21	35.001	27.79		1493.0							

TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTDP 04114 AIR TEMP 25.5 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 08 SHIP 1H WET BULB 22.2 29 2 3 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 28 DATA USE 1 BAROMETR 1025.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E61 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.57	36.240	24.00		1538.5							
12.1	OBS	00025	24.99	36.202	24.27		1536.6							
12.1	OBS	00050	20.40	36.384	25.73		1525.7							
12.1	OBS	00075	18.74	36.467	26.23		1521.6							
12.1	OBS	00100	18.06	36.456	26.39		1520.0							
12.1	OBS	00150	17.68	36.447	26.48		1519.8							
12.1	OBS	T00205	17.43	36.437	26.53		1519.9							
12.1	OBS	00306	17.02	36.393	26.60		1520.3							
12.1	OBS	T00407	16.53	36.302	26.64		1520.4							
12.1	OBS	00512	14.81	35.973	26.78		1516.4							
12.1	OBS	T00613	12.56	35.616	26.98		1510.2							
12.1	OBS	00813	07.39	35.102	27.46		1494.1							
12.1	OBS	T01018	05.99	35.117	27.67		1492.0							
12.1	OBS	01528	04.28	35.008	27.78		1493.4							

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REFID 31 1916 YEAR 1971 BOTDP 03457 AIR TEMP 25.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 08 SHIP 1H WET BULB 22.3 02 2 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 29 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55.0W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 101 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	25.72	36.152	24.01		1537.8							
12.9	OBS	00029	23.60	36.432	24.86		1533.0							
12.9	OBS	00053	20.64	36.584	25.82		1526.6							
12.9	OBS	00083	19.25	36.581	26.18		1523.3							
12.9	OBS	00107	18.21	36.475	26.37		1520.6							
12.9	OBS	00161	17.66	36.429	26.47		1519.9							
12.9	OBS	T00214	17.30	36.415	26.54		1519.7							
12.9	OBS	00321	16.96	36.377	26.60		1520.4							
12.9	OBS	T00429	16.13	36.217	26.67		1519.4							
12.9	OBS	00531	14.04	35.819	26.83		1514.0							
12.9	OBS	00644	11.94	35.514	27.02		1508.5							
12.9	OBS	00863	07.90	35.236	27.49		1497.1							
12.9	OBS	T01077	05.58	35.073	27.68		1491.3							
12.9	OBS	T01613	04.14	35.001	27.79		1494.2							

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REFID 31 1916 YEAR 1971 BOTDP 04572 AIR TEMP 25.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 08 SHIP 1H WET BULB 23.0 28 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 30 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 15.1 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E61 014 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.1	OBS	00000	25.84	36.097	23.93		1538.0							
15.1	OBS	00025	23.16	36.475	25.02		1532.5							
15.1	OBS	00046	21.09	36.500	25.63		1527.6							
15.1	OBS	00071	19.44	36.506	26.12		1523.6							
15.1	OBS	00092	18.40	36.479	26.32		1520.9							
15.1	OBS	00139	17.72	36.446	26.47		1519.7							
15.1	OBS	T00186	17.44	36.436	26.53		1519.6							
15.1	OBS	00278	17.09	36.401	26.58		1520.1							
15.1	OBS	00370		36.324										
15.1	OBS	00460	15.29	36.064	26.74		1517.2							
15.1	OBS	00552	13.65	35.754	26.86		1513.0							
15.1	OBS	00743	09.23	35.241	27.25		1500.1							
15.1	OBS	00928	07.27	35.219	27.57		1495.7							
15.1	OBS	T01397	04.47	35.026	27.78		1492.0							

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REFID 31 1916 YEAR 1971 BOTDP 04426 AIR TEMP 25.9 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 08 SHIP 1H WET BULB 22.8 25 2 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 31 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 15.4 AREA 05 CLOUD T/A 9/4 CL/TR /39 WEATHER X1 ORIG E61 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.4	OBS	00000	25.76	36.154	24.00		1537.9							
15.4	OBS	00026	22.76	36.305	25.01		1531.3							
15.4	OBS	00050	19.92	36.523	25.96		1524.5							
15.4	OBS	00079	19.13	36.554	26.19		1522.9							
15.4	OBS	00101	18.29	36.478	26.35		1520.8							
15.4	OBS	00153	17.77	36.460	26.46		1520.1							
15.4	OBS	T00203	17.45	36.429	26.52		1519.9							
15.4	OBS	00306	16.98	36.382	26.60		1520.2							
15.4	OBS	00516	15.00	36.010	26.77		1517.1							
15.4	OBS	T00621	12.62	35.630	26.97		1510.6							
15.4	OBS	00833	07.49	35.096	27.44		1494.8							
15.4	OBS	T01049	05.86	35.110	27.68		1492.0							
15.4	OBS	T01624	04.11	34.998	27.79		1494.3							

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TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTDP 04682 AIR TEMP 25.8 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 09 SHIP 1H WET BULB 22.7 28 4 3 WIND-SPD 24 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 01 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.5 AREA 05 CLOUD T/A 9/4 CL/TR WEATHER X1 ORIG E61 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	25.71	36.259	24.09		1537.9							
12.5	OBS	00025	25.48	36.255	24.16		1537.8							
12.5	OBS	00046	21.41	36.398	25.46		1528.3							
12.5	OBS	00072	19.15	36.469	26.12		1522.7							
12.5	OBS	00092	18.29	36.445	26.32		1520.6							
12.5	OBS	00137	17.75	36.445	26.46		1519.7							
12.5	OBS	T00182	17.47	36.437	26.52		1519.7							
12.5	OBS	00271	17.06	36.395	26.59		1519.9							
12.5	OBS	00453	15.73	36.150	26.71		1518.5							
12.5	OBS	00543	13.97	35.815	26.84		1514.0							
12.5	OBS	00733	09.93	35.327	27.24		1502.6							
12.5	OBS	T00925	07.34	35.222	27.57		1495.9							
12.5	OBS	T01450	04.38	35.016	27.78		1492.5							

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REFID 31 1916 YEAR 1971 BOTDP 04114 AIR TEMP 23.3 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 09 SHIP 1H WET BULB 21.5 25 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 01.6N DAY 02 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00.3W HOUR 15.6 AREA 05 CLOUD T/A 9/7 CL/TR /32 WEATHER X6 ORIG E61 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.6	OBS	00000	25.52	36.105	24.04		1537.3							
15.6	OBS	00031	22.00	36.400	25.30		1529.6							
15.6	OBS	00055	19.37	36.464	26.06		1523.0							
15.6	OBS	00086	18.26	36.445	26.33		1520.4							
15.6	OBS	00111	17.98	36.444	26.40		1520.0							
15.6	OBS	00165	17.56	36.451	26.51		1519.7							
15.6	OBS	T00220	17.40	36.431	26.53		1520.1							
15.6	OBS	00331	16.91	36.364	26.60		1520.4							
15.6	OBS	T00442	16.09	36.206	26.67		1519.5							
15.6	OBS	00558	14.18	35.870	26.84		1515.0							
15.6	OBS	T00670	11.84	35.529	27.05		1508.6							
15.6	OBS	00895	06.70	35.131	27.58		1492.8							
15.6	OBS	T01127	05.65											
15.6	OBS	T01742	03.95	34.994	27.81		1495.6							

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REFID 31 1916 YEAR 1971 BOTDP 04023 AIR TEMP 25.4 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 09 SHIP 1H WET BULB 20.6 07 4 4 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 03 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E61 018 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	25.38	36.059	24.05		1536.9							
12.2	OBS	00029	23.16	36.346	24.93		1532.4							
12.2	OBS	00054	19.22	36.456	26.09		1522.6							
12.2	OBS	00084	18.13	36.453	26.37		1520.0							
12.2	OBS	00108	17.82	36.462	26.45		1519.5							
12.2	OBS	00163	17.62	36.460	26.50		1519.8							
12.2	OBS	T00217	17.38	36.427	26.53		1520.0							
12.2	OBS	00327	16.58	36.378	26.59		1520.5							
12.2	OBS	T00437	16.00	36.185	26.68		1519.1							
12.2	OBS	00549	14.49	35.934	26.82		1515.9							
12.2	OBS	T00656	12.44	35.598	26.99		1510.5							
12.2	OBS	00872	06.90	35.108	27.54		1493.2							
12.2	OBS	T01191	05.45	35.108	27.73		1492.7							
12.2	OBS	T01673	04.03	34.995	27.80		1494.8							

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REFID 31 1916 YEAR 1971 BOTDP 03795 AIR TEMP 23.8 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 09 SHIP 1H WET BULB 18.6 08 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 55.2N DAY 04 DATA USE 1 BAROMETR 1023.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00.0W HOUR 16.0 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E61 019 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.0	OBS	00000	25.10	36.165	24.21		1536.4							
16.0	OBS	00027	25.04	36.172	24.23		1536.7							
16.0	OBS	00049	19.86	36.378	25.87		1524.2							
16.0	OBS	00074	18.92	36.438	26.16		1522.0							
16.0	OBS	00097	18.02	36.429	26.38		1519.9							
16.0	OBS	00144	17.58	36.431	26.49		1519.3							
16.0	OBS	T00192	17.40	36.426	26.53		1519.6							
16.0	OBS	00287	17.07	36.382	26.57		1520.1							
16.0	OBS	T00381	16.60	36.297	26.62		1520.2							
16.0	OBS	00479	15.36	36.072	26.73		1517.7							
16.0	OBS	T00573	13.74	35.791	26.87		1513.7							
16.0	OBS	00763	09.79	35.310	27.25		1502.6							
16.0	OBS	T00956	06.99	35.214	27.61		1495.0							
16.0	OBS	T01480	04.42	35.018	27.78		1493.2							

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TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTDP 04755 AIR TEMP 24.7 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0020 MONTH 09 SHIP 1H WET BULB 21.1 07 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 55.1N DAY 05 DATA USE 1 BAROMETR 1021.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00.8W HOUR 12.4 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E61 020 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	25.00	36.154	24.22		1538.1							
12.4	OBS	00030	24.88	36.154	24.27		1536.3							
12.4	OBS	00057	20.99	36.389	25.57		1527.3							
12.4	OBS	00088	18.35	36.431	26.30		1520.7							
12.4	OBS	00114	17.52	36.432	26.50		1518.7							
12.4	OBS	00172	17.34	36.420	26.54		1519.1							
12.4	OBS	T00229	17.18	36.398	26.56		1519.5							
12.4	OBS	00345	16.74	36.329	26.61		1520.0							
12.4	OBS	00461	15.34	36.064	26.73		1517.3							
12.4	OBS	00583	13.60	35.794	26.90		1513.4							
12.4	OBS	T00701	11.38	35.449	27.07		1507.4							
12.4	OBS	00941	07.34	35.245	27.58		1496.2							
12.4	OBS	T01182	05.41	35.122	27.74		1492.4							
12.4	OBS	T01803	03.91	34.986	27.81		1496.5							

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REFID 31 1916 YEAR 1971 BOTDP 04526 AIR TEMP 25.0 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0021 MONTH 09 SHIP 1H WET BULB 23.1 00 X X WIND-SPD 03 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 06 DATA USE 1 BAROMETR 1017.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 13.3 AREA 05 CLOUD T/A 9/3 CL/TR WEATHER X1 ORIG E61 021 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	25.90	36.147	23.95		1538.2							
13.3	OBS	00025	25.04	36.167	24.23		1536.6							
13.3	OBS	00050	20.36	36.416	25.76		1525.6							
13.3	OBS	00075	18.62	36.447	26.24		1521.2							
13.3	OBS	00100	17.97	36.462	26.40		1519.8							
13.3	OBS	00150	17.71	36.452	26.47		1519.8							
13.3	OBS	T00205	17.40	36.423	26.53		1519.8							
13.3	OBS	00305	17.07	36.388	26.58		1520.4							
13.3	OBS	T00405	16.73	36.323	26.61		1521.0							
13.3	OBS	00510	15.05	36.031	26.77		1517.2							
13.3	OBS	T00610	13.33	35.745	26.92		1512.9							
13.3	OBS	00810	08.27	35.159	27.38		1497.5							
13.3	OBS	T01015	06.57	35.202	27.66		1494.4							
13.3	OBS	T01525	04.29	35.007	27.78		1493.4							

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REFID 31 1916 YEAR 1971 BOTDP 03931 AIR TEMP 24.3 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0022 MONTH 09 SHIP 1H WET BULB 22.2 03 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 07 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 2 SQUARE 44
LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A 9/8 CL/TR /18 WEATHER X2 ORIG E61 022 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.05	36.018	24.12		1536.1							
12.1	OBS	00022	24.65	36.170	24.35		1535.7							
12.1	OBS	00043	20.97	36.397	25.58		1527.1							
12.1	OBS	00065	19.36	36.462	26.06		1523.2							
12.1	OBS	00086		36.488										
12.1	OBS	00129	18.04	36.464	26.40		1520.5							
12.1	OBS	T00176	17.67	36.450	26.48		1520.2							
12.1	OBS	00263	17.34	36.415	26.53		1520.6							
12.1	OBS	T00349	16.96	36.369	26.59		1520.8							
12.1	OBS	00440	15.96	36.184	26.68		1519.1							
12.1	OBS	T00528	14.39	35.886	26.81		1515.2							
12.1	OBS	00703		35.503										
12.1	OBS	T00883	07.21	35.071	27.47		1494.5							
12.1	OBS	T01340	04.74	35.060	27.77		1492.2							

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REFID 31 1916 YEAR 1971 BOTDP 02743 AIR TEMP 24.7 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0023 MONTH 09 SHIP 1H WET BULB 22.1 09 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 08 DATA USE 1 BAROMETR 1021.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 15.8 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E61 023 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.8	OBS	00000	24.99	36.108	24.20		1536.0							
15.8	OBS	00026	24.84	36.130	24.26		1536.1							
15.8	OBS	00047	20.98	36.427	25.60		1527.2							
15.8	OBS	00073	19.18	36.529	26.16		1522.9							
15.8	OBS	00094	18.53	36.502	26.31		1521.4							
15.8	OBS	00141	18.02	36.477	26.42		1520.6							
15.8	OBS	T00187	17.62	36.449	26.49		1520.2							
15.8	OBS	00281	17.23	36.420	26.57		1520.6							
15.8	OBS	T00375	16.87	36.376	26.62		1521.0							
15.8	OBS	00474	15.80	36.156	26.70		1519.1							
15.8	OBS	T00569	14.40	35.912	26.82		1515.9							
15.8	OBS	00763	10.23	35.314	27.18		1504.2							
15.8	OBS	T00963	06.36	35.034	27.55		1492.4							
15.8	OBS	T01520	04.36	35.007	27.77		1493.6							

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TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTDP 03566 AIR TEMP 26.2 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0024 MONTH 09 SHIP 1H WET BULB 23.5 20 0 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 09 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.1 AREA 05 CLOUD T/A 8/2 CL/TR /38 WEATHER X1 ORIG E61 024 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.08	36.119	24.18		1536.3							
12.1	OBS	00019	23.28	36.220	24.80		1532.4							
12.1	OBS	00037	20.26	36.524	25.87		1525.2							
12.1	OBS	00055	19.21	36.506	26.13		1522.6							
12.1	OBS	00074	18.50	36.507	26.32		1520.9							
12.1	OBS	00112	17.91	36.469	26.44		1519.8							
12.1	OBS	T00155	17.95	36.466	26.42		1520.6							
12.1	OBS	00237	17.46	36.442	26.53		1520.5							
12.1	OBS	T00323	17.10	36.393	26.58		1520.8							
12.1	OBS	00419	16.47	36.286	26.64		1520.4							
12.1	OBS	T00512	15.12	36.058	26.78		1517.5							
12.1	OBS	00903	08.12	35.122	27.37		1498.4							
12.1	OBS	T01412	04.97	35.031	27.72		1494.3							

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REFID 31 1916 YEAR 1971 BOTDP 04426 AIR TEMP 25.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0025 MONTH 09 SHIP 1H WET BULB 23.2 14 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 58.0N DAY 10 DATA USE 1 BAROMETR 1018.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00.0W HOUR 14.9 AREA 05 CLOUD T/A 9/4 CL/TR WEATHER X1 ORIG E61 025 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
14.9	OBS	00000	25.32	36.122	24.11		1536.8							
14.9	OBS	00024	24.99	36.146	24.23		1536.5							
14.9	OBS	00049	21.41	36.578	25.60		1528.5							
14.9	OBS	00073	20.12	36.551	25.93		1525.5							
14.9	OBS	00097	19.02	36.526	26.20		1522.8							
14.9	OBS	00146	18.18	36.473	26.37		1521.2							
14.9	OBS	T00200	17.81	36.462	26.46		1521.0							
14.9	OBS	00298	17.30	36.413	26.54		1521.0							
14.9	OBS	T00396	16.88	36.356	26.60		1521.3							
14.9	OBS	00499	15.41	36.076	26.73		1518.2							
14.9	OBS	T00596	13.70	35.801	26.84		1514.0							
14.9	OBS	00792	09.60	35.234	27.22		1502.2							
14.9	OBS	T00993	06.46	35.118	27.61		1493.4							
14.9	OBS	T01494	04.39	35.014	27.78		1493.3							

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REFID 31 1916 YEAR 1971 BOTDP 04206 AIR TEMP 26.2 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0026 MONTH 09 SHIP 1H WET BULB 23.2 22 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 11 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 13.2 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E61 026 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	25.00	36.006	24.12		1536.0							
13.2	OBS	00025	24.74	36.154	24.31		1535.9							
13.2	OBS	00046	22.13	36.305	25.19		1530.0							
13.2	OBS	00072	19.62	36.412	25.96		1523.9							
13.2	OBS	00093	18.68	36.452	26.23		1521.7							
13.2	OBS	00139	17.83	36.433	26.43		1520.0							
13.2	OBS	T00185	17.60	36.438	26.49		1520.1							
13.2	OBS	00278	17.16	36.402	26.57		1520.3							
13.2	OBS	T00371	16.92	36.360	26.59		1521.0							
13.2	OBS	00465	16.17	36.223	26.67		1520.2							
13.2	OBS	T00560	14.25	35.879	26.83		1515.3							
13.2	OBS	00759		35.364										
13.2	OBS	T00957	06.44	35.046	27.55		1492.7							
13.2	OBS	T01463	04.42	35.041	27.79		1492.9							

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REFID 31 1916 YEAR 1971 BOTDP 04389 AIR TEMP 25.9 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206
CONSEC 0027 MONTH 09 SHIP 1H WET BULB 23.7 26 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 12 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 11.9 AREA 05 CLOUD T/A 9/6 CL/TR WEATHER X1 ORIG E61 027 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	24.98	36.002	24.12		1535.9							
11.9	OBS	00029	24.63	36.180	24.37		1535.8							
11.9	OBS	00053	20.78	36.379	25.62		1526.7							
11.9	OBS	00082	19.34	36.409	26.03		1523.3							
11.9	OBS	00106	18.37	36.447	26.30		1521.0							
11.9	OBS	00159	17.78	36.462	26.46		1520.2							
11.9	OBS	T00212	17.46	36.428	26.52		1520.1							
11.9	OBS	00318	17.07	36.390	26.58		1520.7							
11.9	OBS	00425		36.265										
11.9	OBS	00531	14.73	35.914	26.75		1516.4							
11.9	OBS	T00637	13.40	35.760	26.92		1513.6							
11.9	OBS	00854	08.30	35.118	27.34		1496.3							
11.9	OBS	T01067	05.66	35.064	27.67		1491.4							
11.9	OBS	T01604	04.20	35.003	27.79		1494.3							

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TABLE XL.—Continued

REFID 31 1916	YEAR 1971	BOTDP 04297	AIR TEMP 26.2	DIR HGT PER	WIND-DIR 13	INST NANSEN CAST	TEN SQ 1206
CONSEC 0028	MONTH 09	SHIP 1H	WET BULB 23.9	24 6 6	WIND-SPD 08	TRACE DIR	5 SQUARE 2
LAT 34 59 N	DAY 13	DATA USE 1	BAROMETR 1014.7	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 15.5	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E61 [illegible]8	I SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
15.5	OBS	00000	25.06	35.896	24.02		1536.0							
15.5	OBS	00028	24.68	35.967	24.19		1535.6							
15.5	OBS	00050	21.22	36.357	25.48		1527.8							
15.5	OBS	00078	19.26	36.412	26.05		1523.0							
15.5	OBS	00101	18.57	36.418	26.13		1522.6							
15.5	OBS	00151	17.62	36.423	26.47		1519.6							
15.5	OBS	00202	17.49	36.428	26.51		1520.0							
15.5	OBS	00303	17.04	36.374	26.56		1520.3							
15.5	OBS	00405	16.68	36.311	26.61		1520.8							
15.5	OBS	00507	15.30	36.052	26.73		1517.9							
15.5	OBS	T00609	13.65	35.788	26.89		1514.0							
15.5	OBS	00819	09.10	35.187	27.27		1500.8							
15.5	OBS	T01034	05.75	35.007	27.61		1491.1							
15.5	OBS	T01556	04.27	35.009	27.79		1493.8							

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TABLE XLI.–Observed and interpolated oceanographic data for stations taken by USCGC CHINCOTEAGUE at Ocean Station ECHO, 14 September 1971 - 10 October 1971, prepared from NODC listing No. 31 - 1885.

REFID 31 1885	YEAR 1971	BOTDP 05312	AIR TEMP 24.3	DIR HGT PER	WIND-DIR 10	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 09	SHIP CC	WET BULB 21.2	10 5 3	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 05 N	DAY 18	DATA USE 1	BAROMETR 1014.4	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 15 W	HOUR 12.4	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E62 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.40	35.992	24.29		1534.5							
12.4	OBS	00033	24.41	35.987	24.29		1535.1							
12.4	OBS	00060	21.46	36.394	25.45		1528.6							
12.4	OBS	00093	19.62	36.449	25.98		1524.3							
12.4	OBS	00120	18.73	36.442	26.21		1522.3							
12.4	OBS	00180	17.94	36.419	26.39		1521.0							
12.4	OBS	T00239	17.62	36.412	26.46		1521.0							
12.4	OBS	00356	17.15	36.368	26.54		1521.5							
12.4	OBS	T00534	15.32	36.020	26.70		1518.4							
12.4	OBS	00592	14.46	35.893	26.80		1516.5							
12.4	OBS	00706	12.91	35.677	26.95		1513.0							
12.4	OBS	T00934	07.08	35.044	27.46		1494.8							
12.4	OBS	T01161	05.15	35.040	27.71		1490.9							

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REFID 31 1885	YEAR 1971	BOTDP 05158	AIR TEMP 24.1	DIR HGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 09	SHIP CC	WET BULB 22.3	17 6 4	WIND-SPD 22	TRACE DIR	5 SQUARE 4
LAT 35 01 N	DAY 19	DATA USE 1	BAROMETR 1011.4	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 59.5W	HOUR 12.3	AREA 05	CLOUD T/A 0/5	CL/TR	WEATHER X1	ORIG E62 002	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	23.79	36.145	24.59		1533.2							
12.3	OBS	00027	23.77	36.141	24.59		1533.6							
12.3	OBS	00049	22.61	36.296	25.05		1531.3							
12.3	OBS	00076	20.61	36.531	25.78		1526.8							
12.3	OBS	00098	19.64	36.511	26.03		1524.5							
12.3	OBS	00147	18.37	36.441	26.30		1521.7							
12.3	OBS	T00194	17.92	36.421	26.40		1521.1							
12.3	OBS	00289	17.40	36.383	26.50		1521.1							
12.3	OBS	T00433	16.77	36.298	26.58		1521.5							
12.3	OBS	00480	16.28	36.192	26.62		1520.7							
12.3	OBS	00572	14.61	35.911	26.78		1516.7							
12.3	OBS	00757	11.17	35.431	27.10		1507.6							
12.3	OBS	T00937	06.88	35.036	27.48		1494.1							

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REFID 31 1885	YEAR 1971	BOTDP 04805	AIR TEMP 24.7	DIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 09	SHIP CC	WET BULB 23.0	10 7 5	WIND-SPD 22	TRACE DIR	5 SQUARE 2
LAT 34 32 N	DAY 20	DATA USE 1	BAROMETR 1013.3	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 18 W	HOUR 12.1	AREA 05	CLOUD T/A 6/7	CL/TR /14	WEATHER X1	ORIG E62 003	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	24.45	36.136	24.39		1534.8							
12.1	OBS	00028	24.43	36.138	24.39		1535.2							
12.1	OBS	00052	20.78	36.274	25.54		1526.6							
12.1	OBS	00080	18.69	36.307	26.12		1521.3							
12.1	OBS	00103	17.94	36.309	26.31		1519.6							
12.1	OBS	00154	17.19	36.337	26.51		1518.2							
12.1	OBS	T00271	16.65	36.264	26.58		1518.5							
12.1	OBS	00309	16.41	36.223	26.61		1518.3							
12.1	OBS	T00411	15.10	35.990	26.73		1515.7							
12.1	OBS	00513	13.97	35.835	26.86		1513.5							
12.1	OBS	00614	12.76	35.682	26.99		1511.0							
12.1	OBS	00821	08.04	35.100	27.37		1496.7							
12.1	OBS	T01025	06.04	35.115	27.66		1492.3							
12.1	OBS	T01551	04.21	35.007	27.79		1493.5							

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TABLE XLI.—Continued

REFID 31 1885 YEAR 1971 BOTDP 04347 AIR TEMP 23.9 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 09 SHIP CC WET BULB 22.0 09 6 4 WIND-SPD 22 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 21 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E62 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	24.77	36.209	24.34		1535.6							
12.0	OBS	00030	24.72	36.178	24.34		1536.0							
12.0	OBS	00056	22.69	36.494	25.17		1531.8							
12.0	OBS	00088	20.50	36.436	25.74		1526.6							
12.0	OBS	00167	18.80	36.496	26.23		1523.3							
12.0	OBS	T00220	18.14	36.458	26.37		1522.2							
12.0	OBS	00324	17.47	36.385	26.48		1521.9							
12.0	OBS	T00474	16.34	36.193	26.60		1520.8							
12.0	OBS	00520	15.50	36.038	26.68		1518.8							
12.0	OBS	00611	14.16	35.868	26.84		1515.8							
12.0	OBS	T00797	10.29	35.348	27.19		1505.0							
12.0	OBS	T00979	06.31	35.011	27.54		1492.5							
12.0	OBS	T01483	04.37	35.001	27.77		1493.0							

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REFID 31 1885 YEAR 1971 BOTDP 04940 AIR TEMP 23.1 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 09 SHIP CC WET BULB 19.6 09 5 6 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 22 DATA USE 1 BAROMETR 1021.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.3 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E62 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.83	36.196	24.32		1535.8							
12.3	OBS	00026	24.82	36.199	24.32		1536.2							
12.3	OBS	00047	24.81	36.199	24.33		1536.5							
12.3	OBS	00073	22.66	36.549	25.23		1532.1							
12.3	OBS	00094	21.63	36.551	25.52		1529.8							
12.3	OBS	00141	19.42	36.510	26.08		1524.6							
12.3	OBS	T00248	17.92	36.436	26.41		1522.0							
12.3	OBS	00282	17.74	36.430	26.45		1522.1							
12.3	OBS	T00375	17.04	36.320	26.53		1521.4							
12.3	OBS	00468	16.23	36.190	26.63		1520.3							
12.3	OBS	00561	14.79	35.961	26.78		1517.1							
12.3	OBS	00751	11.59	35.495	27.07		1509.0							
12.3	OBS	T00940	07.02	35.047	27.47		1494.7							
12.3	OBS	T01412	04.49	35.014	27.77		1492.3							

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REFID 31 1885 YEAR 1971 BOTDP 04488 AIR TEMP 23.3 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 09 SHIP CC WET BULB 18.5 06 4 4 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 58.2N DAY 23 DATA USE 1 BAROMETR 1024.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03.3W HOUR 12.2 AREA 05 CLOUD T/A 6/4 CL/TR /30 WEATHER X1 ORIG E62 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.58	36.174	24.38		1535.1							
12.2	OBS	00028	24.57	36.176	24.38		1535.6							
12.2	OBS	00052	24.56	36.189	24.39		1536.0							
12.2	OBS	00080	21.90	36.514	25.41		1530.2							
12.2	OBS	00103	20.17	36.486	25.87		1526.0							
12.2	OBS	00155	18.90	36.479	26.15		1523.4							
12.2	OBS	T00271	17.77	36.412	26.43		1522.0							
12.2	OBS	00308	17.65	36.410	26.46		1522.2							
12.2	OBS	T00409	17.00	36.319	26.54		1521.9							
12.2	OBS	00509	15.44	36.035	26.69		1518.4							
12.2	OBS	00609	13.77	35.797	26.87		1514.4							
12.2	OBS	T00812	10.22	35.323	27.18		1504.9							
12.2	OBS	T01012	05.95	35.007	27.59		1491.6							
12.2	OBS	T01508	04.28	34.980	27.76		1493.0							
14.3	OBS	02978	03.00	34.950	27.87		1512.7							
14.3	OBS	T03482	02.56	34.931	27.89		1519.6							
14.3	OBS	T03983	02.30	34.906	27.89		1527.2							

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REFID 31 1885 YEAR 1971 BOTDP 03294 AIR TEMP 22.9 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 09 SHIP CC WET BULB 17.6 06 3 3 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 24 DATA USE 1 BAROMETR 1024.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.1 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E62 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	24.73	36.192	24.34		1535.5							
12.1	OBS	00028	24.72	36.192	24.35		1536.0							
12.1	OBS	00050	24.72	36.188	24.34		1536.3							
12.1	OBS	00078	22.70	36.476	25.16		1532.2							
12.1	OBS	00101	21.21	36.525	25.61		1528.8							
12.1	OBS	00151	19.12	36.472	26.13		1523.9							
12.1	OBS	T00265	18.01	36.430	26.38		1522.6							
12.1	OBS	00301	17.83	36.426	26.42		1522.6							
12.1	OBS	T00400	17.26	36.350	26.50		1522.5							
12.1	OBS	00498	15.90	36.094	26.63		1519.7							
12.1	OBS	00594	14.10	35.804	26.80		1515.2							
12.1	OBS	00787	10.58	35.329	27.13		1505.8							
12.1	OBS	T00976	06.36	34.998	27.52		1492.6							
12.1	OBS	T01446	04.47	35.007	27.76		1492.8							

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TABLE XLI.—Continued

REFID 31 1885 YEAR 1971 BOTDP 04076 AIR TEMP 23.5 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 09 SHIP CC WET BULB 18.8 06 3 4 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 25 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 15.1 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E62 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.1	OBS	00000	24.73	36.145	24.31		1535.5							
15.1	OBS	00024	24.40	36.121	24.39		1535.1							
15.1	OBS	00049	24.42	36.161	24.41		1535.6							
15.1	OBS	00073	24.26	36.149	24.45		1535.6							
15.1	OBS	00097	21.14	36.466	25.59		1528.5							
15.1	OBS	00146	19.23	36.467	26.10		1524.1							
15.1	OBS	T00200	18.27	36.432	26.32		1522.3							
15.1	OBS	00297	17.56	36.386	26.46		1521.7							
15.1	OBS	T00395	17.04	36.316	26.53		1521.7							
15.1	OBS	00497	15.65	36.070	26.67		1518.9							
15.1	OBS	00595	13.60	35.724	26.85		1513.5							
15.1	OBS	00790	09.99	35.275	27.19		1503.7							
15.1	OBS	T00989	06.34	35.014	27.54		1492.8							
15.1	OBS	T01488	04.41	35.009	27.77		1493.3							

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REFID 31 1885 YEAR 1971 BOTDP 03422 AIR TEMP 23.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 09 SHIP CC WET BULB 20.0 07 4 4 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 26 DATA USE 1 BAROMETR 1021.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E62 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.45	36.181	24.42		1534.8							
12.2	OBS	00030	24.46	36.183	24.42		1535.4							
12.2	OBS	00055	24.46	36.185	24.42		1535.8							
12.2	OBS	00085	23.18	36.484	25.03		1533.5							
12.2	OBS	00110	21.98	36.525	25.40		1531.0							
12.2	OBS	00165	19.10	36.482	26.15		1524.1							
12.2	OBS	00290	17.56	36.389	26.46		1521.6							
12.2	OBS	00330	17.32	36.359	26.50		1521.5							
12.2	OBS	T00440	16.49	36.227	26.59		1520.7							
12.2	OBS	00550	15.01	35.956	26.72		1517.6							
12.2	OBS	00661	12.98	35.670	26.93		1512.5							
12.2	OBS	00887	08.47	35.160	27.35		1499.5							
12.2	OBS	T01107	05.31	34.997	27.66		1490.6							
12.2	OBS	T01660	04.13	34.998	27.79		1495.0							

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REFID 31 1885 YEAR 1971 BOTDP 04303 AIR TEMP 23.6 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 09 SHIP CC WET BULB 21.3 28 3 3 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 27 DATA USE 1 BAROMETR 1021.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02.8W HOUR 12.2 AREA 05 CLOUD T/A 8/4 CL/TR /20 WEATHER X1 ORIG E62 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.74	36.230	24.37		1535.6							
12.2	OBS	00030	24.74	36.221	24.36		1536.1							
12.2	OBS	00055	24.67	36.207	24.37		1536.3							
12.2	OBS	00084	22.68	36.507	25.19		1532.3							
12.2	OBS	00109	21.84	36.556	25.46		1530.6							
12.2	OBS	00164	20.02	36.516	25.93		1526.7							
12.2	OBS	T00288	17.77	36.424	26.44		1522.3							
12.2	OBS	00327	17.56	36.397	26.47		1522.3							
12.2	OBS	T00437	16.79	36.277	26.56		1521.6							
12.2	OBS	00546	15.13	35.985	26.72		1516.0							
12.2	OBS	00655	13.91	35.830	26.86		1515.7							
12.2	OBS	00877	08.79	35.171	27.31		1500.6							
12.2	OBS	T01095	05.52	35.017	27.65		1491.2							
12.2	OBS	T01640	04.21	34.973	27.76		1494.9							

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REFID 31 1885 YEAR 1971 BOTDP 03605 AIR TEMP 23.7 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 09 SHIP CC WET BULB 20.4 28 3 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 59.5N DAY 28 DATA USE 1 BAROMETR 1020.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01.5W HOUR 12.1 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E62 011 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	24.87	36.264	24.36		1535.9							
12.1	OBS	00028	24.88	36.252	24.34		1536.4							
12.1	OBS	00051	24.86	36.261	24.36		1536.7							
12.1	OBS	00079		36.291										
12.1	OBS	00102	22.00	36.572	25.43		1530.9							
12.1	OBS	00152	19.60	36.536	26.06		1525.3							
12.1	OBS	T00268	17.88	36.455	26.43		1522.3							
12.1	OBS	00304	17.66	36.444	26.48		1522.2							
12.1	OBS	T00406	17.17	36.376	26.55		1522.4							
12.1	OBS	00509	16.27	36.217	26.64		1521.2							
12.1	OBS	00612	14.52	35.946	26.82		1517.1							
12.1	OBS	00824	10.34	35.350	27.18		1509.6							
12.1	OBS	T01034	06.08	35.036	27.59		1492.5							
12.1	OBS	T01575	04.31	35.000	27.77		1494.3							

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TABLE XLI.—Continued

REFID 31 1885 YEAR 1971 BOTDP 04071 AIR TEMP 20.6 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 09 SHIP CC WET BULB 14.9 03 4 3 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 30 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.2 AREA 05 CLOUD T/A 8/1 CL/TR /30 WEATHER X1 ORIG E62 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.34	36.167	24.44		1534.6							
12.2	OBS	00025	24.35	36.152	24.43		1535.0							
12.2	OBS	00049	24.23	36.139	24.45		1535.1							
12.2	OBS	00073	23.57	36.452	24.89		1534.2							
12.2	OBS	00098	21.62	36.541	25.51		1529.8							
12.2	OBS	00146	19.39	36.533	26.11		1524.7							
12.2	OBS	00200	18.30	36.455	26.33		1522.4							
12.2	OBS	00297	17.99	36.422	26.38		1523.0							
12.2	OBS	T00394	17.20	36.356	26.52		1522.2							
12.2	OBS	00496	16.21	36.182	26.62		1520.7							
12.2	OBS	00593	14.65	35.935	26.79		1517.2							
12.2	OBS	T00788	10.62	35.316	27.11		1506.0							
12.2	OBS	T00988	06.59	35.031	27.52		1493.8							
12.2	OBS	T01485	04.39	35.002	27.77		1493.1							

REFID 31 1885 YEAR 1971 BOTDP 04508 AIR TEMP 23.6 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 10 SHIP CC WET BULB 20.4 03 3 3 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 01.3N DAY 01 DATA USE 1 BAROMETR 1017.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 26.5W HOUR 12.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E62 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	23.67	36.140	24.62		1532.9							
12.1	OBS	00027	23.64	36.151	24.64		1533.3							
12.1	OBS	00050	23.58	36.150	24.66		1533.5							
12.1	OBS	00077	21.22	36.182	25.35		1528.0							
12.1	OBS	00100	18.99	36.180	25.94		1522.4							
12.1	OBS	00149	17.46	36.242	26.37		1518.8							
12.1	OBS	00262	16.53	36.237	26.59		1517.9							
12.1	OBS	00299	15.96	36.130	26.64		1516.7							
12.1	OBS	T00399	14.91	35.976	26.76		1514.8							
12.1	OBS	00500	13.90	35.826	26.86		1513.1							
12.1	OBS	00600	12.55	35.585	26.95		1509.9							
12.1	OBS	T00808	09.29	35.269	27.30		1501.4							
12.1	OBS	T01012	05.48	34.983	27.63		1489.7							
12.1	OBS	T01529	04.26											

REFID 31 1885 YEAR 1971 BOTDP 04618 AIR TEMP 20.6 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 10 SHIP CC WET BULB 15.5 33 9 4 WIND-SPD 26 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 02 DATA USE 1 BAROMETR 1013.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55.5W HOUR 12.6 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E62 014 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	23.65	36.174	24.65		1532.9							
12.6	OBS	00029	23.64	36.177	24.66		1533.4							
12.6	OBS	00053	23.63	36.174	24.66		1533.7							
12.6	OBS	00080	19.91	36.447	25.91		1524.9							
12.6	OBS	00104	18.99	36.446	26.15		1522.7							
12.6	OBS	00154	18.09	36.415	26.35		1521.0							
12.6	OBS	00204	17.77	36.416	26.43		1520.9							
12.6	OBS	00306	17.35	36.376	26.50		1521.3							
12.6	OBS	T00459	16.74	36.301	26.59		1521.9							
12.6	OBS	00509	16.28	36.217	26.64		1521.2							
12.6	OBS	00607	14.42	35.865	26.78		1516.6							
12.6	OBS	T00801	10.18	35.337	27.20		1504.6							
12.6	OBS	00995	06.55	35.034	27.53		1493.7							
12.6	OBS	T01492	04.29	34.986	27.77		1492.8							

REFID 31 1885 YEAR 1971 BOTDP 04525 AIR TEMP 22.6 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 10 SHIP CC WET BULB 18.1 33 4 4 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 34 58.5N DAY 03 DATA USE 1 BAROMETR 1013.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E62 015 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.57	36.287	24.76		1532.8							
12.2	OBS	00030	23.53	36.290	24.78		1533.2							
12.2	OBS	00057	23.46	36.292	24.80		1533.5							
12.2	OBS	00087		36.438										
12.2	OBS	00113	18.62	36.447	26.24		1521.9							
12.2	OBS	00169	18.03	36.429	26.38		1521.1							
12.2	OBS	00226	17.70	36.416	26.45		1521.0							
12.2	OBS	00339	17.16	36.351	26.53		1521.2							
12.2	OBS	T00516	16.16	36.174	26.63		1520.9							
12.2	OBS	00574	15.20	36.012	26.72		1518.7							
12.2	OBS	00690	12.95	35.667	26.94		1512.9							
12.2	OBS	T00925	07.04	35.072	27.49		1494.5							
12.2	OBS	T01166	05.11	35.048	27.72		1490.8							
12.2	OBS	T01796	04.00	34.972	27.79		1496.7							

TABLE XLI.—Continued

REFID 31 1885 YEAR 1971 BOTDP 04404 AIR TEMP 23.4 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 10 SHIP CC WET BULB 18.9 25 3 4 WIND-SPD 23 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 04 DATA USE 1 BAROMETR 1010.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06.8W HOUR 12.3 AREA 05 CLOUD T/A 3/7 CL/TR /06 WEATHER X1 ORIG E62 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	23.45	36.253	24.77		1532.5							
12.3	OBS	00028	23.46	36.249	24.77		1533.0							
12.3	OBS	00051	23.42	36.255	24.78		1533.3							
12.3	OBS	00078	22.34	36.455	25.25		1531.3							
12.3	OBS	00101	19.06	36.413	26.10		1522.9							
12.3	OBS	00151	18.01	36.406	26.36		1520.7							
12.3	OBS	T00265	17.38	36.384	26.50		1520.7							
12.3	OBS	00301	17.20	36.362	26.53		1520.7							
12.3	OBS	T00400	16.95	36.336	26.57		1521.6							
12.3	OBS	00500	16.15	36.176	26.63		1520.6							
12.3	OBS	00600	14.70	35.936	26.78		1517.4							
12.3	OBS	00805	10.15	35.280	27.16		1504.5							
12.3	OBS	T01006	06.62	35.030	27.52		1494.2							
12.3	OBS	T01522	04.29	34.983	27.76		1493.3							

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REFID 31 1885 YEAR 1971 BOTDP 04276 AIR TEMP 20.8 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 10 SHIP CC WET BULB 15.1 30 3 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 05 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.1 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E62 017 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	23.35	36.246	24.80		1532.3							
12.1	OBS	00026	23.37	36.248	24.79		1532.7							
12.1	OBS	00047	23.34	36.245	24.80		1533.0							
12.1	OBS	00073	20.22	36.491	25.86		1525.7							
12.1	OBS	00095	19.26	36.464	26.09		1523.4							
12.1	OBS	00143	18.15	36.416	26.34		1521.0							
12.1	OBS	T00248	17.54	36.391	26.47		1520.9							
12.1	OBS	00282	17.39	36.395	26.51		1521.0							
12.1	OBS	T00372	17.04	36.337	26.55		1521.4							
12.1	OBS	00463	16.56	36.260	26.60		1521.4							
12.1	OBS	00554	15.17	36.017	26.74		1518.3							
12.1	OBS	00739	11.76	35.510	27.05		1509.4							
12.1	OBS	T00918	07.82	35.108	27.41		1497.5							
12.1	OBS	T01374	04.60	35.025	27.76		1492.2							

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REFID 31 1885 YEAR 1971 BOTDP 04572 AIR TEMP 20.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 10 SHIP CC WET BULB 17.3 35 4 4 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 11 N DAY 06 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 30 W HOUR 12.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E62 018 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	23.09	36.291	24.91		1531.7							
12.1	OBS	00025	23.11	36.288	24.90		1532.1							
12.1	OBS	00050	22.99	36.288	24.93		1532.2							
12.1	OBS	00074	19.71	36.434	25.95		1524.2							
12.1	OBS	00099	18.92	36.453	26.17		1522.5							
12.1	OBS	00149	18.12	36.425	26.35		1521.0							
12.1	OBS	T00203	17.72	36.414	26.44		1520.7							
12.1	OBS	00302	17.38	36.388	26.50		1521.3							
12.1	OBS	T00400	16.88	36.313	26.57		1521.3							
12.1	OBS	00502	14.75	35.887	26.73		1515.9							
12.1	OBS	00599	13.38	35.719	26.89		1512.9							
12.1	OBS	T00793	09.04	35.207	27.29		1500.2							
12.1	OBS	T00991	06.57	35.126	27.60		1493.9							
12.1	OBS	T01487	04.40	35.011	27.77		1493.2							

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REFID 31 1885 YEAR 1971 BOTDP 04370 AIR TEMP 20.8 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 10 SHIP CC WET BULB 16.7 02 3 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 12.0 AREA 05 CLOUD T/A 6/5 CL/TR /30 WEATHER X1 ORIG E62 019 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	23.35	36.271	24.81		1532.3							
12.0	OBS	00025	23.33	36.270	24.82		1532.6							
12.0	OBS	00049	23.26	36.268	24.84		1532.9							
12.0	OBS	00074	19.85	36.436	25.91		1524.6							
12.0	OBS	00098	19.06	36.430	26.12		1522.8							
12.0	OBS	00148	18.06	36.434	26.37		1520.8							
12.0	OBS	T00202	17.63	36.404	26.46		1520.4							
12.0	OBS	00300	17.17	36.357	26.53		1520.6							
12.0	OBS	T00398	16.85	36.314	26.58		1521.2							
12.0	OBS	00501	15.37	36.037	26.71		1518.0							
12.0	OBS	00599	13.80	35.793	26.86		1514.3							
12.0	OBS	T00794	09.37	35.220	27.25		1501.4							
12.0	OBS	T00994	05.91	35.009	27.56		1491.1							
12.0	OBS	T01491	04.31	34.982	27.76		1492.9							

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TABLE XLI.—Continued

REFID 31 1885	YEAR 1971	BOTDP 04555	AIR TEMP 22.2	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1206
CONSEC 0020	MONTH 10	SHIP CC	WET BULB 18.8	05 2 4	WIND-SPD 05	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 08	DATA USE 1	BAROMETR 1026.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 12.2	AREA 05	CLOUD T/A 6/3	CL/TR	WEATHER X1	ORIG E62 020	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.30	36.242	24.81		1532.1							
12.2	OBS	00024	23.28	36.236	24.81		1532.5							
12.2	OBS	00049	23.11	36.266	24.88		1532.5							
12.2	OBS	00073	20.19	36.396	25.79		1525.5							
12.2	OBS	00098	18.90	36.427	26.15		1522.4							
12.2	OBS	00146	18.04	36.406	26.36		1520.7							
12.2	OBS	T00200	17.69	36.403	26.44		1520.6							
12.2	OBS	00297	17.29	36.356	26.50		1520.9							
12.2	OBS	T00395	16.86	36.309	26.57		1521.2							
12.2	OBS	00497	15.16	35.994	26.72		1517.3							
12.2	OBS	00595	13.44	35.732	26.89		1513.0							
12.2	OBS	T00790	09.16	35.205	27.27		1500.6							
12.2	OBS	T00991	06.06	35.004	27.57		1491.7							
12.2	OBS	T01490	04.27	34.970	27.76		1492.7							

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REFID 31 1885	YEAR 1971	BOTDP 04828	AIR TEMP 22.6	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1207
CONSEC 0021	MONTH 10	SHIP CC	WET BULB 19.7	05 2 4	WIND-SPD 04	TRACE DIR	5 SQUARE 3
LAT 35 20 N	DAY 09	DATA USE 1	BAROMETR 1026.3	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 050 02 W	HOUR 12.2	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E62 021	1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.82	36.354	24.74		1533.5							
12.2	OBS	00025	23.83	36.359	24.74		1534.0							
12.2	OBS	00050	22.46	36.471	25.22		1531.1							
12.2	OBS	00075	20.64	36.630	25.85		1527.0							
12.2	OBS	00100	19.29	36.522	26.13		1523.6							
12.2	OBS	00150	17.95	36.409	26.38		1520.5							
12.2	OBS	T00205	17.46	36.382	26.48		1519.9							
12.2	OBS	00305	17.04	36.342	26.55		1520.3							
12.2	OBS	T00405	16.66	36.284	26.60		1520.7							
12.2	OBS	00510	15.52	36.051	26.68		1518.7							
12.2	OBS	00610	13.89	35.824	26.86		1514.9							
12.2	OBS	T00810	10.42	35.366	27.18		1505.7							
12.2	OBS	01015	07.01	35.126	27.54		1496.0							
12.2	OBS	T01525	04.31	34.986	27.76		1493.4							

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TABLE XLII.–Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station ECHO, 10 October 1971 - 5 November 1971, prepared from NODC listing No. 31 - 1931.

REFID 31 1931	YEAR 1971	BOTDP 04846	AIR TEMP 23.0	DIR HGT PER	WIND-DIR 06	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 10	SHIP DU	WET BULB 19.9	07 2 3	WIND-SPD 04	TRACE DIR	5 SQUARE 2
LAT 34 54 N	DAY 12	DATA USE 1	BAROMETR 1026.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 12.4	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG E63 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	23.33	36.492	24.84		1532.3							
12.4	OBS	00025	23.20	36.223	24.82		1532.3							
12.4	OBS	00050	22.30	36.319	25.15		1530.5							
12.4	OBS	00074	19.76	36.417	25.92		1524.4							
12.4	OBS	00099	18.42	36.428	26.28		1521.0							
12.4	OBS	00148		36.429										
12.4	OBS	T00202	17.30	36.393	26.53		1519.4							
12.4	OBS	00301	16.38	36.233	26.62		1518.1							
12.4	OBS	00400	14.88	35.986	26.78		1514.8							
12.4	OBS	00504	13.42	35.756	26.91		1511.5							
12.4	OBS	T00603	11.37	35.446	27.07		1505.7							
12.4	OBS	00800	08.12	35.210	27.44		1496.8							
12.4	OBS	01002	05.90	35.116	27.68		1491.4							
12.4	OBS	T01505	04.15	34.995	27.79		1492.5							

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REFID 31 1931	YEAR 1971	BOTDP 03475	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 10	SHIP DU	WET BULB 20.2	29 4 5	WIND-SPD 04	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 13	DATA USE 1	BAROMETR 1026.8	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 48 W	HOUR 13.5	AREA 05	CLOUD T/A 6/4	CL/TR	WEATHER X1	ORIG E63 002	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	22.44	36.280	25.08		1530.0							
13.5	OBS	00025	22.23	36.288	25.15		1529.9							
13.5	OBS	00050	22.19	36.303	25.17		1530.2							
13.5	OBS	00075	19.66	36.312	25.87		1524.0							
13.5	OBS	00100	17.88	36.298	26.31		1519.3							
13.5	OBS	00150	17.06	36.341	26.55		1517.8							
13.5	OBS	T00205	16.50	36.287	26.64		1517.0							
13.5	OBS	00305	15.16	36.069	26.78		1514.2							
13.5	OBS	T00405	13.86	35.838	26.88		1511.4							
13.5	OBS	00510	12.56	35.645	27.00		1508.6							
13.5	OBS	T00610	10.79	35.396	27.14		1503.7							
13.5	OBS	00810	07.78	35.145	27.44		1495.6							
13.5	OBS	01015	06.10	35.166	27.65		1492.5							
13.5	OBS	01525	04.10	34.989	27.79		1492.6							

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REFID 31 1931	YEAR 1971	BOTDP 04938	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 00	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 10	SHIP DU	WET BULB 20.5	30 3 3	WIND-SPD 00	TRACE DIR	5 SQUARE 2
LAT 34 36 N	DAY 14	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 12.9	AREA 05	CLOUD T/A 0/3	CL/TR /34	WEATHER X1	ORIG E63 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	23.14	36.305	24.90		1531.8							
12.9	OBS	00023	22.46	36.242	25.05		1530.4							
12.9	OBS	00045	22.31	36.310	25.14		1530.5							
12.9	OBS	00068	20.36	36.387	25.74		1525.8							
12.9	OBS	00090	19.03	36.393	26.10		1522.6							
12.9	OBS	00135	17.62	36.413	26.46		1519.3							
12.9	OBS	T00185	17.30	36.400	26.53		1519.2							
12.9	OBS	00274	15.96	36.140	26.65		1516.3							
12.9	OBS	T00364	15.05	36.001	26.75		1514.7							
12.9	OBS	00458	14.12	35.870	26.85		1513.2							
12.9	OBS	T00548	13.10	35.727	26.95		1511.1							
12.9	OBS	00728		35.203										
12.9	OBS	00914	06.36	35.040	27.56		1491.6							
12.9	OBS	T01380	04.28	34.990	27.77		1490.9							

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TABLE XLII.—Continued

REFID 31 1931 YEAR 1971 BOTDP 04023 AIR TEMP 22.7 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 10 SHIP DU WET BULB 20.4 34 3 3 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 15 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.8 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E63 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	22.63	36.335	25.07		1530.6							
12.8	OBS	00027	22.39	36.345	25.15		1530.4							
12.8	OBS	00049	22.26	36.348	25.19		1530.5							
12.8	OBS	00075	19.28	36.358	26.00		1523.0							
12.8	OBS	00097	18.18	36.396	26.31		1520.3							
12.8	OBS	00145	17.42	36.405	26.51		1518.9							
12.8	OBS	T00194	17.28	36.401	26.54		1519.2							
12.8	OBS	00285	16.68	36.312	26.61		1518.8							
12.8	OBS	T00384	15.30	36.050	26.73		1515.9							
12.8	OBS	00478	14.06	35.859	26.86		1513.3							
12.8	OBS	T00572	12.91	35.702	26.97		1510.8							
12.8	OBS	00762		35.280										
12.8	OBS	T00947	05.91	35.015	27.60		1490.4							
12.8	OBS	T01400	04.18	35.003	27.79		1490.8							

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REFID 31 1931 YEAR 1971 BOTDP 04297 AIR TEMP 22.5 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 10 SHIP DU WET BULB 20.5 04 2 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 12 N DAY 16 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.8 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E63 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	22.32	36.183	25.04		1529.6							
12.8	OBS	00024	22.20	36.175	25.07		1529.7							
12.8	OBS	00048	21.50	36.282	25.35		1528.4							
12.8	OBS	00072	18.54	36.388	26.22		1520.9							
12.8	OBS	00095	17.85	36.427	26.42		1519.3							
12.8	OBS	00143	17.46	36.424	26.51		1519.0							
12.8	OBS	T00195	16.99	36.337	26.56		1518.3							
12.8	OBS	00291	16.32	36.245	26.65		1517.8							
12.8	OBS	T00386	14.87	35.984	26.78		1514.5							
12.8	OBS	00487	13.73	35.799	26.88		1512.3							
12.8	OBS	T00583	12.43	35.611	27.00		1509.3							
12.8	OBS	00775		35.242										
12.8	OBS	T00975	05.97	35.079	27.64		1491.1							
12.8	OBS	T01479	04.21	34.996	27.78		1492.3							

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REFID 31 1931 YEAR 1971 BOTDP 04114 AIR TEMP 22.7 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 10 SHIP DU WET BULB 21.2 08 2 4 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 17 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53 W HOUR 12.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X6 ORIG E63 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	22.50	36.220	25.02		1530.1							
12.7	OBS	00024	22.27	36.194	25.07		1529.9							
12.7	OBS	00049	22.06	36.242	25.16		1529.8							
12.7	OBS	00074	19.38	36.388	26.00		1523.3							
12.7	OBS	00098	18.17	36.416	26.33		1520.3							
12.7	OBS	00147	17.55	36.424	26.49		1519.3							
12.7	OBS	T00201	17.21	36.385	26.54		1519.1							
12.7	OBS	00300	16.50	36.271	26.63		1518.5							
12.7	OBS	T00399	15.20	36.035	26.74		1515.8							
12.7	OBS	00503	13.76	35.815	26.88		1512.7							
12.7	OBS	T00603	12.28	35.587	27.01		1509.1							
12.7	OBS	00802		35.153										
12.7	OBS	T01007	05.66	35.023	27.63		1490.4							

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TABLE XLII.—Continued

REFID 31 1931 YEAR 1971 BOTDP 04936 AIR TEMP 23.0 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 10 SHIP DU WET BULB 20.4 08 3 3 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 45 N DAY 18 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.5 AREA 05 CLOUD T/A 8/2 CL/TR /25 WEATHER X1 ORIG E63 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	22.47	36.350	25.13		1530.2							
12.5	OBS	00025	22.46	36.345	25.13		1530.6							
12.5	OBS	00050	22.25	36.366	25.20		1530.5							
12.5	OBS	00075	18.72	36.418	26.19		1521.5							
12.5	OBS	00101	18.06	36.432	26.37		1520.0							
12.5	OBS	00151	17.41	36.417	26.52		1518.9							
12.5	OBS	T00206	17.03	36.359	26.57		1518.7							
12.5	OBS	00307	16.01	36.176	26.67		1517.0							
12.5	OBS	T00408	14.69	35.933	26.78		1514.2							
12.5	OBS	00514	13.46	35.777	26.92		1511.8							
12.5	OBS	T00614	12.18	35.585	27.03		1508.9							
12.5	OBS	00816		35.122										
12.5	OBS	T01022	05.53	35.034	27.66		1490.1							
12.5	OBS	T01536	04.17	34.986	27.78		1493.1							
15.3	OBS	T01954	03.75	34.971	27.81		1498.3							
15.3	OBS	T02458	03.33	34.962	27.85		1505.2							
15.3	OBS	02959	02.93	34.941	27.87		1512.1							
15.3	OBS	T03465	02.56	34.920	27.88		1519.3							
15.3	OBS	03939		34.894										
15.3	OBS	04647	02.24	34.886	27.88		1538.7							
15.3	OBS	T04799	02.24	34.885	27.88		1541.4							

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REFID 31 1931 YEAR 1971 BOTDP 04471 AIR TEMP 22.3 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 10 SHIP DU WET BULB 20.6 12 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1022.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.4 AREA 05 CLOUD T/A 2/4 CL/TR WEATHER X1 ORIG E63 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	22.06	36.057	25.02		1528.9							
12.4	OBS	00025	22.04	36.063	25.03		1529.2							
12.4	OBS	00050	21.74	36.187	25.21		1529.0							
12.4	OBS	00075	18.66	36.368	26.17		1521.2							
12.4	OBS	00100	17.90	36.425	26.41		1519.5							
12.4	OBS	00150	17.11	36.366	26.55		1518.0							
12.4	OBS	T00205	16.87	36.354	26.60		1518.2							
12.4	OBS	00305	16.11	36.225	26.68		1517.3							
12.4	OBS	00405	14.79	35.973	26.79		1514.6							
12.4	OBS	00510	13.54	35.807	26.92		1512.0							
12.4	OBS	T00610	11.20	35.451	27.11		1505.3							
12.4	OBS	00810		35.239										
12.4	OBS	T01015	05.72	35.087	27.68		1490.8							
12.4	OBS	T01525	04.15	35.006	27.80		1492.8							

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REFID 31 1931 YEAR 1971 BOTDP 05029 AIR TEMP 16.9 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 10 SHIP DU WET BULB 13.9 10 7 4 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 48 N DAY 21 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 18.2 AREA 05 CLOUD T/A 3/8 CL/TR /25 WEATHER X2 ORIG E63 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	21.73	36.146	25.18		1528.1							
18.2	OBS	00028	21.73	36.144	25.18		1528.5							
18.2	OBS	00052	20.49	36.266	25.61		1525.8							
18.2	OBS	00080	18.47	36.428	26.26		1520.9							
18.2	OBS	00104	17.82	36.429	26.43		1519.4							
18.2	OBS	00149	17.18	36.432	26.57		1518.2							
18.2	OBS	00209		36.380										
18.2	OBS	00313	15.73	36.150	26.71		1516.2							
18.2	OBS	T00414	14.27	35.914	26.85		1513.0							
18.2	OBS	00516	13.19	35.748	26.95		1510.9							
18.2	OBS	T00612	10.92	35.402	27.12		1504.2							
18.2	OBS	00805	08.13	35.273	27.49		1497.0							
18.2	OBS	T00999	05.97	35.143	27.69		1491.6							
18.2	OBS	T01539	04.09	34.995	27.80		1492.8							

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TABLE XLII.—Continued

REFID 31 1931 YEAR 1971 BOTDP 04755 AIR TEMP 19.5 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 10 SHIP DU WET BULB 16.5 35 6 5 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 42 N DAY 23 DATA USE 1 BAROMETR 1016.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E63 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	21.19	36.041	25.25		1526.5							
13.1	OBS	00026	21.20	36.044	25.25		1527.0							
13.1	OBS	00048	19.78	36.331	25.85		1523.9							
13.1	OBS	00074	18.24	36.404	26.30		1520.1							
13.1	OBS	00096	17.81	36.424	26.43		1519.2							
13.1	OBS	00137	17.41	36.427	26.53		1518.7							
13.1	OBS	T00193	16.98	36.354	26.57		1518.3							
13.1	OBS	00290	16.12	36.204	26.66		1517.1							
13.1	OBS	T00384	14.68	35.958	26.80		1513.8							
13.1	OBS	00482	13.72	35.824	26.90		1512.2							
13.1	OBS	T00577	12.17	35.601	27.04		1508.3							
13.1	OBS	00767	08.69	35.224	27.36		1498.4							
13.1	OBS	T00954	05.57 Q	35.022	27.65Q									

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REFID 31 1931 YEAR 1971 BOTDP 05229 AIR TEMP 18.8 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 10 SHIP DU WET BULB 15.8 36 7 4 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1018.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR /21 WEATHER X1 ORIG E63 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	21.85	36.245	25.22		1528.5							
12.3	OBS	00027	21.87	36.243	25.22		1529.0							
12.3	OBS	00050	21.48	36.232	25.32		1528.3							
12.3	OBS	00077	21.38	36.225	25.34		1528.5							

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REFID 31 1931 YEAR 1971 BOTDP 05229 AIR TEMP 20.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 10 SHIP DU WET BULB 16.7 34 5 4 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 45 N DAY 26 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.5 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E63 012 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	21.38	36.181	25.31		1527.2							
12.5	OBS	00022	21.40	36.187	25.31		1527.6							
12.5	OBS	00041	21.34	36.185	25.32		1527.8							
12.5	OBS	00063	18.79	36.304	26.09		1521.3							
12.5	OBS	00082	17.95	36.390	26.37		1519.4							
12.5	OBS	00124	17.34	36.371	26.50		1518.2							
12.5	OBS	T00166	17.03	36.344	26.56		1518.0							
12.5	OBS	00245	16.60	36.309	26.63		1517.9							
12.5	OBS	T00327	15.61	36.108	26.71		1516.0							
12.5	OBS	00405	14.23	35.870	26.83		1512.6							
12.5	OBS	T00482	13.37	35.756	26.92		1510.9							
12.5	OBS	00641	10.15	35.304	27.18		1501.8							
12.5	OBS	00805	07.95	35.205	27.46		1496.2							
12.5	OBS	T01239	04.55	35.009	27.76		1489.7							

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REFID 31 1931 YEAR 1971 BOTDP 03200 AIR TEMP 19.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 10 SHIP DU WET BULB 15.8 02 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 27 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 12.3 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E63 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	21.80	36.280	25.26		1528.4							
12.3	OBS	00028	21.82	36.280	25.26		1528.9							
12.3	OBS	00050	21.77	36.276	25.27		1529.1							
12.3	OBS	00078	21.69	36.276	25.29		1529.4							
12.3	OBS	00100	18.04	36.337	26.30		1519.8							
12.3	OBS	00150	17.04	36.353	26.56		1517.8							
12.3	OBS	T00200	16.53	36.277	26.62		1517.0							
12.3	OBS	00296	15.13	36.030	26.75		1513.9							
12.3	OBS	00401	13.90	35.840	26.87		1511.5							
12.3	OBS	00502	12.80	35.696	26.99		1509.3							
12.3	OBS	T00602	11.01	35.429	27.13		1504.4							
12.3	OBS	00808	07.39	35.159	27.51		1494.1							

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TABLE XLII.—Continued

REFID 31 1931 YEAR 1971 BOTDP 04310 AIR TEMP 21.4 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 10 SHIP DU WET BULB 19.7 35 1 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 30 DATA USE 1 BAROMETR 1014.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 25 W HOUR 19.6 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E63 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.6	OBS	00000	21.12	35.751	25.05		1526.0							
19.6	OBS	00027	20.82	35.819	25.18		1525.7							
19.6	OBS	00048	21.04	36.086	25.33		1527.0							
19.6	OBS	00073	19.46	36.349	25.95		1523.4							
19.6	OBS	00095	18.52	36.344	26.15		1521.1							
19.6	OBS	00143	17.82	36.461	26.45		1520.1							
19.6	OBS	T00190	17.53	36.431	26.50		1520.0							
19.6	OBS	00281	16.84	36.330	26.59		1519.3							
19.6	OBS	00381	15.30	36.052	26.73		1515.9							
19.6	OBS	00476	13.90	35.817	26.86		1512.7							
19.6	OBS	T00570	12.63	35.651	26.99		1509.8							
19.6	OBS	00765	08.45	35.140	27.33		1497.4							
19.6	OBS	T00959	06.45	35.097	27.59		1492.8							
19.6	OBS	T01456	04.41	35.010	27.77		1492.7							

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REFID 31 1931 YEAR 1971 BOTDP 02195 AIR TEMP 21.3 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 10 SHIP DU WET BULB 18.9 01 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 11 N DAY 31 DATA USE 1 BAROMETR 1013.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 18 W HOUR 13.7 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E63 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	20.96	35.986	25.27		1525.9							
13.7	OBS	00025	20.89	35.986	25.29		1526.1							
13.7	OBS	00045	20.82	36.036	25.35		1526.3							
13.7	OBS	00071	19.94	36.326	25.81		1524.7							
13.7	OBS	00091	18.44	36.340	26.21		1520.9							
13.7	OBS	00137	17.46	36.412	26.50		1518.9							
13.7	OBS	T00182	16.99	36.352	26.57		1518.1							
13.7	OBS	00269	16.02	36.192	26.68		1516.4							
13.7	OBS	00363	14.41	35.922	26.83		1512.6							
13.7	OBS	00454	13.36	35.763	26.93		1510.5							
13.7	OBS	T00545	11.53	35.504	27.09		1505.4							
13.7	OBS	00729	08.18	35.189	27.41		1495.8							
13.7	OBS	T00909	06.87	35.189	27.61		1493.8							
13.7	OBS	01360	04.14	34.997	27.79		1490.0							

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REFID 31 1931 YEAR 1971 BOTDP 05229 AIR TEMP 19.0 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 11 SHIP DU WET BULB 16.0 01 6 6 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 46 N DAY 03 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53 W HOUR 12.1 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E63 016 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	21.08	36.311	25.49		1526.6							
12.1	OBS	00029	21.09	36.306	25.48		1527.1							
12.1	OBS	00053	21.06	36.308	25.49		1527.4							
12.1	OBS	00082	18.46	36.287	26.16		1520.7							
12.1	OBS	00106	17.45	36.322	26.44		1518.2							
12.1	OBS	00159	16.66	36.318	26.62		1516.7							
12.1	OBS	T00212	15.84	36.151	26.69		1514.9							
12.1	OBS	00313	14.35	35.912	26.83		1511.6							
12.1	OBS	T00424	13.04	35.714	26.96		1508.8							
12.1	OBS	00530	11.38	35.472	27.09		1504.6							
12.1	OBS	T00635	09.28	35.246	27.28		1498.5							
12.1	OBS	00852	07.00	35.240	27.63		1493.4							
12.1	OBS	T01065	04.97	35.044	27.73		1488.6							

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TABLE XLIII.—Observed and interpolated oceanographic data for stations taken by USCGC CHINCOTEAGUE at Ocean Station ECHO, 5 November 1971 - 25 November 1971, prepared from NODC listing No. 31 - 1932.

REFID 31 1932 YEAR 1971 BOTDP 04471 AIR TEMP 20.7 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 11 SHIP CC WET BULB 18.6 03 3 2 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 34 57.8N DAY 05 DATA USE 1 BAROMETR 1017.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.3 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X8 ORIG E64 001 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	20.71	36.229	25.53		1525.5							
12.3	OBS	00027	20.70	36.224	25.53		1525.9							
12.3	OBS	00048	20.69	36.224	25.53		1526.2							
12.3	OBS	00074	18.89	36.319	26.07		1521.8							
12.3	OBS	00095	18.36	36.329	26.22		1520.7							
12.3	OBS	00143	17.13	36.338	26.53		1517.9							
12.3	OBS	T00250	15.63	36.122	26.71		1514.8							
12.3	OBS	00285	15.27	36.076	26.76		1514.2							
12.3	OBS	T00380	13.85	35.830	26.88		1510.9							
12.3	OBS	00475	12.57	35.642	26.99		1508.0							
12.3	OBS	00570	10.53	35.366	27.16		1502.1							
12.3	OBS	00767	07.44	35.195	27.53		1493.6							
12.3	OBS	T00962	06.50	35.220	27.68		1493.2							
12.3	OBS	T01463	04.20	35.000	27.79		1492.0							

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REFID 31 1932 YEAR 1971 BOTDP 04253 AIR TEMP 21.5 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 11 SHIP CC WET BULB 19.6 32 5 2 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 06 DATA USE 1 BAROMETR 1014.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E64 002 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	20.60	36.188	25.52		1525.1							
12.3	OBS	00030	20.59	36.188	25.53		1525.6							
12.3	OBS	00055	20.62	36.214	25.54		1526.1							
12.3	OBS	00085	17.92	36.309	26.31		1519.2							
12.3	OBS	00110	17.16	36.338	26.52		1517.4							
12.3	OBS	00165	16.50	36.280	26.63		1516.3							
12.3	OBS	T00220	15.67	36.134	26.71		1514.5							
12.3	OBS	00331	14.43	35.958	26.85		1512.2							
12.3	OBS	00512	11.92	35.552	27.05		1506.3							
12.3	OBS	00559	11.06	35.433	27.12		1503.9							
12.3	OBS	00670	08.76	35.180	27.32		1497.0							
12.3	OBS	00892	06.63	35.207	27.65		1492.6							
12.3	OBS	T01114	05.41	35.138	27.76		1491.3							
12.3	OBS	T01678	03.98	34.992	27.80		1494.7							

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REFID 31 1932 YEAR 1971 BOTDP 04303 AIR TEMP 18.2 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 11 SHIP CC WET BULB 13.4 36 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 00.4N DAY 08 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/8 CL/TR /20 WEATHER X2 ORIG E64 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.78	36.430	25.66		1525.9							
12.2	OBS	00028	20.79	36.425	25.65		1526.4							
12.2	OBS	00050	20.78	36.425	25.66		1526.7							
12.2	OBS	00078	20.79	36.427	25.66		1527.2							
12.2	OBS	00101	17.65	36.358	26.42		1518.8							
12.2	OBS	00151	16.74	36.304	26.59		1516.8							
12.2	OBS	T00267	15.09	36.023	26.76		1513.3							
12.2	OBS	00304	14.42	35.929	26.83		1511.7							
12.2	OBS	T00405	13.61	35.820	26.92		1510.6							
12.2	OBS	00507	11.95	35.543	27.04		1506.3							
12.2	OBS	T00609	09.81	35.272	27.22		1500.0							
12.2	OBS	00819	07.28	35.186	27.55		1493.9							
12.2	OBS	T01025	05.91	35.171	27.72		1491.9							
12.2	OBS	T01547	04.04	34.976	27.78		1492.7							

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TABLE XLIII.—Continued

REFID 31 1932 YEAR 1971 BOTDP 04127 AIR TEMP 19.7 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 11 SHIP CC WET BULB 16.0 49 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 03.5N DAY 09 DATA USE 1 BAROMETR 1012.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E64 004 1 SQUARE 58

CASTNUM/TIME	LVL.TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.58	36.376	25.67		1525.3							
12.2	OBS	00026	20.59	36.376	25.67		1525.8							
12.2	OBS	00048	20.57	36.379	25.68		1526.1							
12.2	OBS	00073	20.56	36.383	25.68		1526.5							
12.2	OBS	00095	17.70	36.355	26.40		1516.8							
12.2	OBS	00142	16.90	36.342	26.58		1517.2							
12.2	OBS	T00250	15.12	36.022	26.75		1513.1							
12.2	OBS	00285	14.62	35.946	26.80		1512.0							
12.2	OBS	T00382	13.63	35.810	26.91		1510.2							
12.2	OBS	00461	12.54	35.644	27.00		1508.0							
12.2	OBS	00581	10.38	35.388	27.21		1501.8							
12.2	OBS	00788	07.40	35.177	27.52		1493.8							
12.2	OBS	T00993	06.10											
12.2	OBS	T01518	04.09	35.006	27.80		1492.4							

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REFID 31 1932 YEAR 1971 BOTDP 04424 AIR TEMP 19.5 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 11 SHIP CC WET BULB 15.8 29 4 4 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 58.9N DAY 10 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00.4W HOUR 12.3 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E64 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	20.41	36.335	25.69		1524.8							
12.3	OBS	00027	20.41	36.335	25.69		1525.2							
12.3	OBS	00050	20.41	36.336	25.69		1525.6							
12.3	OBS	00078	17.75	36.356	26.35		1518.7							
12.3	OBS	00101	17.30	36.379	26.52		1517.8							
12.3	OBS	00152	16.81	36.332	26.60		1517.1							
12.3	OBS	T00268	15.17	36.029	26.74		1513.6							
12.3	OBS	00306	14.61	35.948	26.81		1512.3							
12.3	OBS	T00409	13.63	35.826	26.92		1510.7							
12.3	OBS	00512	11.89	35.554	27.06		1506.2							
12.3	OBS	T00614	09.38	35.221	27.25		1498.5							
12.3	OBS	00825	06.87	35.170	27.59		1492.4							
12.3	OBS	01034	05.84	35.173	27.73		1491.7							
12.3	OBS	T01561	04.06											

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REFID 31 1932 YEAR 1971 BOTDP 04334 AIR TEMP 20.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 11 SHIP CC WET BULB 18.1 33 3 4 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.1 AREA 05 CLOUD T/A 8/3 CL/TR /14 WEATHER X1 ORIG E64 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	20.40	36.343	25.70		1524.8							
12.1	OBS	00025	20.40	36.340	25.69		1525.2							
12.1	OBS	00049	20.39	36.344	25.70		1525.6							
12.1	OBS	00074	17.82	36.343	26.36		1518.8							
12.1	OBS	00098	17.36	36.377	26.50		1517.9							
12.1	OBS	00147	16.78	36.335	26.61		1516.9							
12.1	OBS	T00201	16.20	36.227	26.66		1515.9							
12.1	OBS	00299	14.64	35.965	26.81		1512.3							
12.1	OBS	T00397	13.69	35.825	26.91		1510.7							
12.1	OBS	00500	12.39	35.638	27.03		1507.8							
12.1	OBS	00598	09.91	35.294	27.22		1500.3							
12.1	OBS	00795	07.20	35.190	27.56		1493.2							
12.1	OBS	T00996	05.90	35.190	27.74		1491.4							
12.1	OBS	T01496	04.14	35.011	27.80		1492.3							
14.3	OBS	T02019	03.66											
14.3	OBS	T02526	03.20	34.900	27.81		1505.7							
14.3	OBS	03028	02.75	34.899	27.85		1512.4							
14.3	OBS	T03538	02.39	34.915	27.89		1519.8							
14.3	OBS	04041	02.26	34.939	27.92		1528.1							
14.3	OBS	T04165	02.24	34.966	27.95		1530.3							
14.3	OBS	T04264	02.22	34.984	27.96		1532.0							

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TABLE XLIII.—Continued

REFID 31 1932 YEAR 1971 BOTDP 04407 AIR TEMP 19.8 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 11 SHIP CC WET BULB 18.0 36 4 3 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 58.7N DAY 13 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59.3W HOUR 12.3 AREA 05 CLOUD T/A 3/4 CL/TR WEATHER X1 ORIG E64 007 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	20.46	36.317	25.66		1524.9							
12.3	OBS	00025	20.45	36.319	25.67		1525.3							
12.3	OBS	00045	20.41	36.334	25.69		1525.5							
12.3	OBS	00069	18.58	36.350	26.18		1520.9							
12.3	OBS	00090	17.37	36.365	26.49		1517.8							
12.3	OBS	00135	17.03	36.359	26.57		1517.5							
12.3	OBS	T00237	15.55	36.104	26.72		1514.4							
12.3	OBS	00269	15.21	36.050	26.75		1513.8							
12.3	OBS	T00361	14.23	35.890	26.84		1511.9							
12.3	OBS	00455	13.34	35.776	26.94		1510.4							
12.3	OBS	T00551	11.37	35.494	27.11		1504.9							
12.3	OBS	00747	07.72	35.189	27.48		1494.4							
12.3	OBS	T00941	06.25	35.234	27.73		1491.9							
12.3	OBS	T01430	04.13	34.998	27.79		1491.1							

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REFID 31 1932 YEAR 1971 BOTDP 04410 AIR TEMP 19.4 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 11 SHIP CC WET BULB 16.7 27 4 4 WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 58.4N DAY 14 DATA USE 1 BAROMETR 1014.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01.5W HOUR 13.0 AREA 05 CLOUD T/A 0/8 CL/TR WEATHER X1 ORIG E64 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	20.60	36.345	25.65		1525.3							
13.0	OBS	00025	20.51	36.349	25.67		1525.5							
13.0	OBS	00050	20.48	36.353	25.68		1525.8							
13.0	OBS	00075	20.49	36.383	25.70		1526.3							
13.0	OBS	00100	17.58	36.356	26.43		1518.5							
13.0	OBS	00150	16.67	36.298	26.61		1516.6							
13.0	OBS	T00205	16.10	36.201	26.67		1515.6							
13.0	OBS	00306	14.51	35.925	26.81		1512.0							
13.0	OBS	T00406	13.45	35.774	26.92		1510.0							
13.0	OBS	00511	11.89	35.548	27.05		1506.2							
13.0	OBS	T00612	09.94	35.300	27.22		1500.6							
13.0	OBS	00812	06.93	35.157	27.57		1492.4							
13.0	OBS	T01018	05.91	35.176	27.72		1491.8							
13.0	OBS	T01530	04.08	34.996	27.80		1492.6							

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REFID 31 1932 YEAR 1971 BOTDP 04354 AIR TEMP 16.9 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 11 SHIP CC WET BULB 15.8 24 4 3 WIND-SPD 28 TRACE DIR 5 SQUARE 2
LAT 34 59.9N DAY 15 DATA USE 1 BAROMETR 1006.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59.4W HOUR 12.5 AREA 05 CLOUD T/A 5/8 CL/TR /20 WEATHER X8 ORIG E64 009 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	20.33	36.311	25.69		1524.6							
12.5	OBS	00033	20.34	36.307	25.69		1525.1							
12.5	OBS	00061	20.23	36.311	25.72		1525.3							
12.5	OBS	00094	19.30	36.341	25.99		1523.3							
12.5	OBS	00122	17.32	36.356	26.49		1518.1							
12.5	OBS	00184	16.47	36.261	26.62		1516.5							
12.5	OBS	T00246	15.60	36.104	26.71		1514.7							
12.5	OBS	00371	13.93	35.868	26.89		1511.1							
12.5	OBS	T00566	10.40	35.344	27.17		1501.6							
12.5	OBS	00630	09.47	35.280	27.28		1499.2							
12.5	OBS	00759	06.93	35.172	27.58		1491.5							
12.5	OBS	01017	05.80	35.176	27.74		1491.3							
12.5	OBS	T01929	03.66	34.983	27.83		1497.6							

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REFID 31 1932 YEAR 1971 BOTDP 04297 AIR TEMP 18.8 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 11 SHIP CC WET BULB 16.4 24 5 4 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 17 DATA USE 1 BAROMETR 1006.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56.5W HOUR 12.2 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E64 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.24	36.252	25.67		1524.3							
12.2	OBS	00030	20.25	36.259	25.67		1524.8							
12.2	OBS	00055	20.25	36.267	25.68		1525.2							
12.2	OBS	00084	18.86	36.312	26.08		1521.9							
12.2	OBS	00109	17.28	36.319	26.48		1517.8							
12.2	OBS	00164	16.54	36.274	26.62		1516.4							
12.2	OBS	T00288	14.97	36.007	26.77		1513.3							
12.2	OBS	00327	14.38	35.931	26.84		1511.9							
12.2	OBS	00437	13.35	35.780	26.94		1510.2							
12.2	OBS	00546	10.86	35.410	27.14		1503.0							
12.2	OBS	T00656	08.62	35.223	27.37		1496.3							
12.2	OBS	00880	05.58	35.111	27.66		1489.7							
12.2	OBS	T01099	05.42	35.146	27.76		1491.1							
12.2	OBS	T01649	03.85	34.977	27.81		1493.6							

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TABLE XLIII.—Continued

REFID 31 1932 YEAR 1971 BOTDP 04369 AIR TEMP 17.8 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 11 SHIP CC WET BULB 16.9 21 6 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 01.2N DAY 18 DATA USE 1 BAROMETR 1000.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR /20 WEATHER X1 ORIG E64 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.29	36.183	25.60		1524.3							
12.2	OBS	00025	20.32	36.240	25.64		1524.9							
12.2	OBS	00050	20.30	36.246	25.65		1525.2							
12.2	OBS	00075	19.76	36.302	25.84		1524.2							
12.2	OBS	00100	17.24	36.329	26.49		1517.5							
12.2	OBS	00150	16.66	36.308	26.62		1516.6							
12.2	OBS	T00205	16.03	36.187	26.67		1515.4							
12.2	OBS	00304	14.18	35.873	26.84		1510.8							
12.2	OBS	T00404	13.35	35.773	26.94		1509.6							
12.2	OBS	00509	11.33	35.467	27.10		1504.1							
12.2	OBS	T00609	09.06	35.244	27.32		1497.2							
12.2	OBS	00809	06.72	35.124	27.58		1491.4							
12.2	OBS	T01013	05.73	35.151	27.73		1490.9							
12.2	OBS	T01523	03.99	34.978	27.79		1492.1							

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REFID 31 1932 YEAR 1971 BOTDP 04575 AIR TEMP 19.1 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 11 SHIP CC WET BULB 15.4 13 4 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 57.2N DAY 19 DATA USE 1 BAROMETR 1003.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55.4W HOUR 12.1 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E64 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	20.25	36.226	25.65		1524.2							
12.1	OBS	00029	20.28	36.226	25.64		1524.8							
12.1	OBS	00053	20.28	36.236	25.65		1525.2							
12.1	OBS	00082	19.11	36.300	26.00		1522.5							
12.1	OBS	00106	17.19	36.321	26.50		1517.4							
12.1	OBS	00160	16.13	36.212	26.67		1515.0							
12.1	OBS	T00282	14.64	35.948	26.80		1512.0							
12.1	OBS	00321	13.91	35.828	26.86		1510.2							
12.1	OBS	T00429	12.40	35.616	27.01		1506.6							
12.1	OBS	00537	10.44	35.378	27.19		1501.3							
12.1	OBS	T00645	08.39	35.209	27.40		1495.3							
12.1	OBS	00867	05.57	35.118	27.67		1489.4							
12.1	OBS	01087	05.33	35.136	27.76		1490.5							
12.1	OBS	T01637	03.87	34.980	27.81		1493.5							

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REFID 31 1932 YEAR 1971 BOTDP 04460 AIR TEMP 20.4 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 11 SHIP CC WET BULB 17.0 16 5 4 WIND-SPD 06 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 20 DATA USE 1 BAROMETR 1008.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 0/3 CL/TR WEATHER X1 ORIG E64 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.17	36.281	25.71		1524.1							
12.2	OBS	00025	20.18	36.280	25.71		1524.5							
12.2	OBS	00050	20.16	36.279	25.71		1524.9							
12.2	OBS	00075	20.14	36.281	25.72		1525.2							
12.2	OBS	00100	17.77	36.298	26.34		1519.0							
12.2	OBS	00150	16.09	36.194	26.66		1514.7							
12.2	OBS	T00204	15.21	36.039	26.74		1512.7							
12.2	OBS	00304	13.58	35.786	26.90		1508.8							
12.2	OBS	T00404	12.25	35.593	27.02		1505.7							
12.2	OBS	00508	10.36	35.353	27.18		1500.5							
12.2	OBS	T00608	08.73	35.211	27.35		1496.0							
12.2	OBS	00808	06.25	35.105	27.62		1489.5							
12.2	OBS	T01013	05.62	35.169	27.76		1490.5							
12.2	OBS	T01523	04.05	35.000	27.80		1492.4							

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REFID 31 1932 YEAR 1971 BOTDP 04301 AIR TEMP 19.9 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 11 SHIP CC WET BULB 16.2 49 3 X WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 22 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.2 AREA 05 CLOUD T/A 8/5 CL/TR /18 WEATHER X1 ORIG E64 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.24	36.266	25.68		1524.3							
12.2	OBS	00023	20.24	36.272	25.69		1524.7							
12.2	OBS	00047	20.22	36.266	25.69		1525.0							
12.2	OBS	00071	20.23	36.266	25.68		1525.4							
12.2	OBS	00095	19.77	36.278	25.81		1524.6							
12.2	OBS	00142	15.42	36.074	26.72		1514.4							
12.2	OBS	T00195	14.37	35.905	26.82		1509.7							
12.2	OBS	00291	13.50	35.801	26.93		1508.3							
12.2	OBS	T00387	12.07	35.574	27.04		1504.8							
12.2	OBS	00489	10.54	35.380	27.17		1500.8							
12.2	OBS	00586		35.232										
12.2	OBS	00780	06.53	35.139	27.61		1490.2							
12.2	OBS	T00980	05.77	35.169	27.74		1490.6							
12.2	OBS	T01478	04.05	34.993	27.80		1491.6							

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TABLE XLIII.—Continued

REFID	31 1932	YEAR 1971	BOTDP 04502	AIR TEMP	20.0	DIR HGT PER		WIND-DIR 10	INST NANSEN CAST		TEN SQ 1206
CONSEC	0015	MONTH 11	SHIP CC	WET BULB	17.8	11 4 4		WIND-SPD 05	TRACE DIR		5 SQUARE 2
LAT	34 57.2N	DAY 23	DATA USE 1	BAROMETR	1025.0	SEA		WIND-FOR	DURATION		2 SQUARE 46
LONG	047 57.8W	HOUR 12.1	AREA 05	CLOUD T/A	3/1	CL/TR		WEATHER X1	ORIG E64 015		1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	20.16	36.267	25.70		1524.1							
12.1	OBS	00025	20.15	36.269	25.71		1524.4							
12.1	OBS	00050	20.14	36.271	25.71		1524.8							
12.1	OBS	00074	17.86	36.271	26.30		1518.8							
12.1	OBS	00099	16.95	36.296	26.54		1516.6							
12.1	OBS	00149	16.40	36.249	26.63		1515.7							
12.1	OBS	T00204	15.54	36.096	26.71		1513.8							
12.1	OBS	00303	13.94	35.847	26.87		1510.0							
12.1	OBS	T00402	12.91	35.703	26.97		1508.0							
12.1	OBS	00506	10.92	35.422	27.14		1502.5							
12.1	OBS	00605	09.14	35.251	27.31		1497.5							
12.1	OBS	00804	06.23	35.093	27.62		1489.4							
12.1	OBS	T01008	05.67	35.222	27.75		1491.9							
12.1	OBS	T01515	03.93	34.981	27.80		1491.7							

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REFID	31 1932	YEAR 1971	BOTDP 04460	AIR TEMP	20.0	DIR HGT PER		WIND-DIR 12	INST NANSEN CAST		TEN SQ 1207
CONSEC	0016	MONTH 11	SHIP CC	WET BULB	17.9	09 3 4		WIND-SPD 04	TRACE DIR		5 SQUARE 1
LAT	34 33 N	DAY 24	DATA USE 1	BAROMETR	1023.6	SEA		WIND-FOR	DURATION		2 SQUARE 40
LONG	050 01 W	HOUR 12.0	AREA 05	CLOUD T/A	8/2	CL/TR		WEATHER X1	ORIG E64 016		1 SQUARE 40

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	20.65	36.212	25.53		1525.3							
12.0	OBS	00027	20.27	36.230	25.65		1524.7							
12.0	OBS	00053	20.14	36.274	25.71		1524.9							
12.0	OBS	00079	19.21	36.395	26.05		1522.9							
12.0	OBS	00105	18.48	36.472	26.30		1521.4							
12.0	OBS	00157	17.58	36.443	26.50		1519.6							
12.0	OBS	T00213	17.26	36.402	26.54		1519.5							
12.0	OBS	00316	16.37	36.256	26.64		1518.4							
12.0	OBS	T00418	14.79	35.955	26.77		1514.8							
12.0	OBS	00524	13.51	35.786	26.91		1512.1							
12.0	OBS	T00624	11.91	35.556	27.06		1508.1							
12.0	OBS	00825	07.98	35.178	27.44		1496.7							
12.0	OBS	T01030	05.67	35.107	27.67		1491.7							
12.0	OBS	T01540	04.14	34.985	27.78		1493.0							

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TABLE XLIV.—Observed and interpolated oceanographic data for stations taken by USCGC McCULLOCH at Ocean Station ECHO, 25 Nomveber 1971 - 17 December 1971, prepared from NODC listing No. 31 - 1933.

REFID 31 1933	YEAR 1971	BOTDP 04710	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 11	SHIP ML	WET BULB 17.5	04 3 5	WIND-SPD 15	TRACE DIR	5 SQUARE 2
LAT 34 39 N	DAY 26	DATA USE 1	BAROMETR 1025.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 25 W	HOUR 13.0	AREA 05	CLOUD T/A 8/5	CL/TR /30	WEATHER X1	ORIG E65 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	20.16	36.199	25.65		1524.0							
13.0	OBS	00028	20.17	36.196	25.65		1524.5							
13.0	OBS	00051	20.19	36.195	25.64		1524.9							
13.0	OBS	00079	19.09	36.243	25.97		1522.4							
13.0	OBS	00102	17.43	36.262	26.40		1518.0							
13.0	OBS	00154	16.48	36.205	26.58		1516.0							
13.0	OBS	00206	15.59	36.075	26.65		1513.9							
13.0	OBS	00311	14.10	35.838	26.83		1510.6							
13.0	OBS	T00417	12.64	35.641	26.98		1507.3							
13.0	OBS	00523	10.33	35.337	27.18		1500.6							
13.0	OBS	T00629	08.95	35.240	27.33		1497.2							
13.0	OBS	00848	06.57	35.177	27.64		1491.6							
13.0	OBS	T01063	04.84	35.037	27.74		1488.0							
13.0	OBS	T01603	03.98											

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REFID 31 1933	YEAR 1971	BOTDP 02333	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 11	SHIP ML	WET BULB 19.4	11 0 X	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 35 08 N	DAY 27	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 41 W	HOUR 12.7	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E65 002	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	20.27	36.198	25.62		1524.3							
12.7	OBS	00024	20.27	36.193	25.62		1524.7							
12.7	OBS	00045	20.27	36.193	25.62		1525.0							
12.7	OBS	00069	19.80	36.237	25.78		1524.2							
12.7	OBS	00089	17.60	36.269	26.36		1518.3							
12.7	OBS	00134	16.85	36.243	26.52		1516.8							
12.7	OBS	00177	16.21	36.162	26.61		1515.5							
12.7	OBS	00266	14.92	35.959	26.75		1512.7							
12.7	OBS	00355	13.98	35.837	26.86		1511.0							
12.7	OBS	00443	13.07	35.698	26.94		1509.2							
12.7	OBS	T00532	11.35	35.453	27.08		1504.5							
12.7	OBS	00713	07.88	35.168	27.44		1494.4							
12.7	OBS	T00890	06.26	35.125	27.64		1491.0							

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REFID 31 1933	YEAR 1971	BOTDP 04114	AIR TEMP 21.0	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 11	SHIP ML	WET BULB 17.6	06 2 4	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 35 07 N	DAY 28	DATA USE 1	BAROMETR 1018.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 01 W	HOUR 15.5	AREA 05	CLOUD T/A 3/5	CL/TR	WEATHER X1	ORIG E65 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.5	OBS	00000	20.08	36.228	25.65		1523.8							
15.5	OBS	00027	20.00	36.242	25.73		1524.0							
15.5	OBS	00050	19.99	36.244	25.73		1524.4							
15.5	OBS	00077	19.59	36.277	25.86		1523.8							
15.5	OBS	00099	17.52	36.311	26.41		1518.3							
15.5	OBS	00149	16.83	36.279	26.55		1517.0							
15.5	OBS	00198	15.90	36.120	26.65		1514.8							
15.5	OBS	00297	14.41	35.884	26.80		1511.5							
15.5	OBS	00396	13.26	35.733	26.93		1509.1							
15.5	OBS	00495	11.62	35.486	27.06		1504.9							
15.5	OBS	T00594	09.44	35.236	27.25		1498.4							
15.5	OBS	00797	06.98	35.133	27.55		1492.3							
15.5	OBS	T00995	05.73	35.122	27.70		1490.6							

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TABLE XLIV.—Continued

REFID 31 1933 YEAR 1971 BOTDP 04206 AIR TEMP 20.0 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 11 SHIP ML WET BULB 18.0 01 2 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 29 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E65 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	19.94	36.245	25.74		1523.4							
12.3	OBS	00026	19.94	36.245	25.74		1523.9							
12.3	OBS	00048	19.97	36.251	25.74		1524.3							
12.3	OBS	00074	19.96	36.252	25.74		1524.7							
12.3	OBS	00096	17.51	36.296	26.40		1518.2							
12.3	OBS	00144	16.89	36.286	26.54		1517.1							
12.3	OBS	00192	16.24	36.193	26.63		1515.8							
12.3	OBS	00287	15.00	35.967	26.73		1513.3							
12.3	OBS	T00382	13.77	35.801	26.87		1510.7							
12.3	OBS	00478	12.32	35.577	26.99		1507.1							
12.3	OBS	T00573	10.12	35.292	27.18		1500.6							
12.3	OBS	00766	06.93	35.117	27.54		1491.5							
12.3	OBS	T00952	05.74	35.116	27.70		1489.9							

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REFID 31 1933 YEAR 1971 BOTDP 02835 AIR TEMP 19.9 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 11 SHIP ML WET BULB 18.0 08 3 4 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 30 DATA USE 1 BAROMETR 1021.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 12.8 AREA 05 CLOUD T/A /0 CL/TR /28 WEATHER X0 ORIG E65 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	20.03	36.233	25.71		1523.7							
12.8	OBS	00025	20.03	36.230	25.71		1524.1							
12.8	OBS	00049	19.99	36.261	25.74		1524.4							
12.8	OBS	00074	19.95	36.273	25.76		1524.7							
12.8	OBS	00099	17.34	36.287	26.44		1517.7							
12.8	OBS	00148	16.59	36.239	26.58		1516.2							
12.8	OBS	T00202	15.86	36.113	26.65		1514.7							
12.8	OBS	00300	14.54	35.895	26.78		1511.9							
12.8	OBS	T00398	13.51	35.765	26.90		1510.0							
12.8	OBS	00501	11.59	35.480	27.06		1504.9							
12.8	OBS	T00600	09.45	35.240	27.25		1498.5							
12.8	OBS	00796	06.89	35.151	27.57		1491.9							
12.8	OBS	T00998	05.69	35.135	27.72		1490.5							

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REFID 31 1933 YEAR 1971 BOTDP 04298 AIR TEMP 20.1 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 12 SHIP ML WET BULB 18.4 18 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 01 DATA USE 1 BAROMETR 1022.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.5 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E65 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	20.01	36.213	25.70		1523.6							
12.5	OBS	00026	19.98	36.218	25.71		1523.9							
12.5	OBS	00047	19.98	36.234	25.73		1524.3							
12.5	OBS	00073	19.27	36.267	25.94		1522.8							
12.5	OBS	00094	17.88	36.259	26.28		1519.2							
12.5	OBS	00141	16.81	36.282	26.56		1516.8							
12.5	OBS	T00188	16.31	36.199	26.61		1516.0							
12.5	OBS	00282	14.97	35.970	26.74		1513.1							
12.5	OBS	T00375	14.03	35.834	26.84		1511.5							
12.5	OBS	00470	12.99	35.692	26.95		1509.4							
12.5	OBS	T00564	10.34	35.327	27.17		1501.3							
12.5	OBS	00757	07.36	35.146	27.50		1493.1							
12.5	OBS	T00945	05.70	35.124	27.71		1489.6							
12.5	OBS	T01427	04.18	34.991	27.78		1491.3							

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REFID 31 1933 YEAR 1971 BOTDP 04344 AIR TEMP 20.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 12 SHIP ML WET BULB 18.8 27 4 3 WIND-SPD 19 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 02 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.6 AREA 05 CLOUD T/A 3/4 CL/TR WEATHER X1 ORIG E65 007 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	20.00	36.220	25.71		1523.6							
12.6	OBS	00031	19.94	36.265	25.76		1524.0							
12.6	OBS	00057	19.87	36.250	25.77		1524.2							
12.6	OBS	00088	18.14	36.243	26.21		1519.8							
12.6	OBS	00114	17.14	36.279	26.48		1517.4							
12.6	OBS	00171	16.50	36.209	26.58		1516.3							
12.6	OBS	T00230	15.60	36.076	26.68		1514.4							
12.6	OBS	00347	14.05	35.837	26.84		1511.1							
12.6	OBS	T00465	12.81	35.678	26.97		1508.7							
12.6	OBS	00589	10.15	35.300	27.18		1501.0							
12.6	OBS	T00707	08.25	35.205	27.42		1495.8							
12.6	OBS	00943	05.71	35.095	27.69		1489.6							
12.6	OBS	T01179	04.79	35.053	27.76		1489.7							

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TABLE XLIV.—Continued

REFID 31 1933 YEAR 1971 BOTDP 04481 AIR TEMP 15.7 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 12 SHIP ML WET BULB 11.9 28 5 4 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 04 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E65 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	19.90	36.242	25.75		1523.3							
12.5	OBS	00030	19.90	36.237	25.75		1523.8							
12.5	OBS	00054	19.88	36.242	25.76		1524.1							
12.5	OBS	00086	17.98	36.270	26.27		1519.4							
12.5	OBS	00111	17.02	36.275	26.50		1517.0							
12.5	OBS	00166	16.39	36.202	26.60		1515.9							
12.5	OBS	T00222	15.38	36.008	26.68		1513.5							
12.5	OBS	00333	13.86	35.804	26.86		1510.2							
12.5	OBS	T00443	12.62	35.625	26.97		1507.6							
12.5	OBS	00554	10.31	35.302	27.15		1501.0							
12.5	OBS	T00664	08.15	35.126	27.37		1494.6							
12.5	OBS	00890	06.56	35.184	27.64		1492.2							
12.5	OBS	T01111	05.48	35.115	27.73		1491.5							
12.5	OBS	01666	03.99	34.963	27.78		1494.5							

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REFID 31 1933 YEAR 1971 BOTDP 04710 AIR TEMP 16.8 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 12 SHIP ML WET BULB 12.5 36 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 11 DATA USE 1 BAROMETR 1018.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14 W HOUR 12.4 AREA 05 CLOUD T/A 8/7 CL/TR /24 WEATHER X1 ORIG E65 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	19.56	36.214	25.82		1522.4							
12.4	OBS	00024	19.57	36.214	25.82		1522.8							
12.4	OBS	00044	19.58	36.217	25.82		1523.1							
12.4	OBS	00068	19.53	36.221	25.83		1523.4							
12.4	OBS	00088	19.26	36.229	25.91		1523.0							
12.4	OBS	00133	17.13	36.294	26.49		1517.7							
12.4	OBS	T00177	16.64	36.243	26.57		1516.9							
12.4	OBS	00264	15.08	35.979	26.73		1513.2							
12.4	OBS	T00352	13.86	35.807	26.86		1510.5							
12.4	OBS	00440	12.82	35.672	26.97		1508.3							
12.4	OBS	T00529	11.51	35.488	27.08		1505.1							
12.4	OBS	00709	08.05	35.171	27.42		1495.0							
12.4	OBS	T00884	06.51	35.172	27.64		1491.9							
12.4	OBS	T01354	04.47	35.039	27.79		1491.3							

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REFID 31 1933 YEAR 1971 BOTDP 03931 AIR TEMP 19.0 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 12 SHIP ML WET BULB 17.0 02 2 3 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 12 DATA USE 1 BAROMETR 1021.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 16.1 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E65 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.1	OBS	00012	19.50											
16.1	OBS	00037	19.42											
16.1	OBS	00061	19.42											
16.1	OBS	00086	19.41											
16.1	OBS	00111	17.68											
16.1	OBS	00160	16.82											
16.1	OBS	T00215	15.87											
16.1	OBS	00314	14.36											
16.1	OBS	T00414	13.46											
16.1	OBS	00519	11.78											
16.1	OBS	T00619	09.58											
16.1	OBS	00819	06.97											
16.1	OBS	T01024	05.90											
16.1	OBS	T01534	04.10											

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REFID 31 1933 YEAR 1971 BOTDP 03292 AIR TEMP 18.6 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 12 SHIP ML WET BULB 16.1 36 2 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 13.0 AREA 05 CLOUD T/A 9/4 CL/TR /22 WEATHER X1 ORIG E65 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	19.40											
13.0	OBS	00024	19.40											
13.0	OBS	00048	19.42											
13.0	OBS	00072	19.42											
13.0	OBS	00096	18.31											
13.0	OBS	00144	16.90											
13.0	OBS	T00197	16.48											
13.0	OBS	00294	14.91											
13.0	OBS	T00390	13.55											
13.0	OBS	00492	12.23											
13.0	OBS	T00588	10.08											
13.0	OBS	00782	07.18											
13.0	OBS	T00981	06.20											
13.0	OBS	T01482	04.16											

TABLE XLV.–Observed and interpolated oceanographic data for stations taken by USCGC SPENCER at Ocean Station ECHO, 17 December 1971 - 10 January 1972, prepared from NODC listing No. 31 - 1940.

REFID 31 1940 YEAR 1971 BOTDP 04572 AIR TEMP 15.4 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 12 SHIP SC WET BULB 13.2 34 3 6 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 21 DATA USE 1 BAROMETR 1034.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 46 W HOUR 12.8 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X8 ORIG E66 001 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	19.27	36.279	25.95		1521.6							
12.8	OBS	00025	19.27	36.287	25.95		1522.0							
12.8	OBS	00051	19.26	36.275	25.95		1522.4							
12.8	OBS	00077	19.29	36.279	25.94		1522.9							
12.8	OBS	00103	19.14	36.300	26.00		1523.0							
12.8	OBS	00154	17.13	36.355	26.54		1518.1							
12.8	OBS	T00210	16.19	36.233	26.67		1516.0							
12.8	OBS	00311	14.63	35.957	26.81		1512.5							
12.8	OBS	T00412	13.62	35.843	26.94		1510.7							
12.8	OBS	00517	12.13	35.594	27.04		1507.1							
12.8	OBS	T00618	10.28	35.346	27.19		1502.0							
12.8	OBS	00819	07.02	35.140	27.55		1492.8							
12.8	OBS	01025	05.78	35.148	27.72		1491.3							
12.8	OBS	T01536	04.18	35.010	27.80		1493.1							

REFID 31 1940 YEAR 1971 BOTDP 03658 AIR TEMP 18.9 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 12 SHIP SC WET BULB 16.6 18 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 22 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E66 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	19.46	36.308	25.92		1522.2							
13.0	OBS	00024	19.44	36.314	25.93		1522.5							
13.0	OBS	00045	19.36	36.313	25.95		1522.7							
13.0	OBS	00069	19.25	36.293	25.96		1522.7							
13.0	OBS	00089	19.19	36.289	25.97		1522.9							
13.0	OBS	00133	17.48	36.339	26.44		1518.8							
13.0	OBS	T00178	16.66	36.302	26.61		1517.0							
13.0	OBS	00266	15.61	36.115	26.71		1515.0							
13.0	OBS	00441	13.50	35.803	26.93		1510.8							
13.0	OBS	T00530	12.45	35.654	27.03		1508.5							
13.0	OBS	00711	08.80	35.229	27.35		1497.9							
13.0	OBS	T00889	06.56	35.153	27.62		1492.2							
13.0	OBS	T01343	04.57	35.062	27.79		1491.6							

REFID 31 1940 YEAR 1971 BOTDP 03292 AIR TEMP 17.6 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 12 SHIP SC WET BULB 16.7 24 3 3 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1021.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.9 AREA 05 CLOUD T/A 8/7 CL/TR /32 WEATHER X8 ORIG E66 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	19.20	36.296	25.98		1521.4							
13.9	OBS	00030	19.17	36.287	25.98		1521.8							
13.9	OBS	00046	19.16	36.288	25.98		1522.1							
13.9	OBS	00086	19.06	36.291	26.01		1522.5							
13.9	OBS	00112	19.04	36.311	26.03		1522.9							
13.9	OBS	00166	17.83	36.469	26.46		1520.5							
13.9	OBS	T00221	17.34	36.432	26.55		1519.9							
13.9	OBS	00329		36.166										
13.9	OBS	00546	12.98	35.705	26.96		1510.6							
13.9	OBS	T00651	10.57	35.375	27.16		1503.6							
13.9	OBS	00856	07.23	35.149	27.52		1494.2							

TABLE XLV.—Continued

REFID 31 1940 YEAR 1971 BOTDP 03345 AIR TEMP 16.0 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 12 SHIP SC WET BULB 12.5 34 3 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.2 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E66 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	19.54	36.347	25.93		1522.5							
13.2	OBS	00027	19.51	36.340	25.93		1522.8							
13.2	OBS	00049	19.50	36.338	25.93		1523.1							
13.2	OBS	00077	19.54	36.333	25.92		1523.7							
13.2	OBS	00100	19.50	36.326	25.92		1524.0							
13.2	OBS	00150	18.19	36.425	26.33		1521.2							
13.2	OBS	00200	17.14	36.365	26.54		1518.9							
13.2	OBS	00301	15.98	36.192	26.65		1516.8							
13.2	OBS	T00400	14.56	35.960	26.83		1513.7							
13.2	OBS	00505	13.64	35.818	26.91		1512.3							
13.2	OBS	T00599	12.32	35.599	27.01		1509.2							
13.2	OBS	00802	08.15	35.175	27.41		1496.9							
13.2	OBS	T01001	06.31	35.125	27.63		1493.0							
13.2	OBS	T01507	04.24	35.006	27.79		1492.9							

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REFID 31 1940 YEAR 1971 BOTDP 04800 AIR TEMP 18.0 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 12 SHIP SC WET BULB 13.0 32 3 2 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 26 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 13.0 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E66 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	19.49	36.387	25.97		1522.4							
13.0	OBS	00027	19.48	36.385	25.97		1522.8							
13.0	OBS	00041	19.46											
13.0	OBS	00079	19.50	36.388	25.97		1523.7							
13.0	OBS	00102	19.48	36.390	25.98		1524.0							
13.0	OBS	00155	18.08	36.486	26.41		1521.0							
13.0	OBS	T00206	17.53	36.465	26.53		1520.3							
13.0	OBS	00308	17.04	36.399	26.60		1520.4							
13.0	OBS	T00412	16.46	36.288	26.65		1520.2							
13.0	OBS	00520	14.45	35.912	26.81		1515.3							
13.0	OBS	T00625	13.06	35.714	26.95		1512.2							
13.0	OBS	00835	08.47	35.219	27.39		1498.7							
13.0	OBS	01053	06.20	35.151	27.67		1493.5							
13.0	OBS	T01626	04.10	35.000	27.80		1494.3							

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REFID 31 1940 YEAR 1971 BOTDP 03658 AIR TEMP 16.2 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 12 SHIP SC WET BULB 13.1 29 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 29 DATA USE 1 BAROMETR 1015.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E66 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	19.23	36.355	26.01		1521.6							
12.8	OBS	00029	19.24	36.358	26.01		1522.1							
12.8	OBS	00053	19.23	36.353	26.01		1522.5							
12.8	OBS	00083	19.25	36.359	26.01		1523.0							
12.8	OBS	00107	18.82	36.470	26.21		1522.3							
12.8	OBS	00161	17.71	36.466	26.48		1520.0							
12.8	OBS	00214	17.42	36.449	26.54		1520.0							
12.8	OBS	00322	17.03	36.388	26.59		1520.6							
12.8	OBS	00536	14.55	35.943	26.81		1515.9							
12.8	OBS	T00643	12.96	35.697	26.96		1512.2							
12.8	OBS	00864	08.32	35.217	27.42		1498.6							

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REFID 31 1940 YEAR 1971 BOTDP 04938 AIR TEMP 18.9 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 12 SHIP SC WET BULB 16.3 27 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 30 DATA USE 1 BAROMETR 1009.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 13.4 AREA 05 CLOUD T/A 7/7 CL/TR /33 WEATHER X1 ORIG E66 007 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	18.80	36.417	26.17		1520.5							
13.4	OBS	00025	18.81	36.414	26.17		1520.9							
13.4	OBS	00045	18.79	36.417	26.18		1521.2							
13.4	OBS	00070	18.84	36.415	26.16		1521.7							
13.4	OBS	00091	18.80	36.423	26.18		1522.0							
13.4	OBS	00137	18.87	36.456	26.18		1523.0							
13.4	OBS	T00183	18.00	36.475	26.42		1521.3							
13.4	OBS	00275	17.42	36.427	26.52		1521.0							
13.4	OBS	00368	17.29	36.397	26.53		1522.1							
13.4	OBS	00460	16.00	36.183	26.67		1519.5							
13.4	OBS	T00553	14.22	35.865	26.83		1515.0							
13.4	OBS	00744	10.84	35.396	27.13		1506.1							
13.4	OBS	T00935	07.08	35.136	27.54		1494.9							
13.4	OBS	T01432	04.56	35.025	27.77		1493.0							

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TABLE XLV.—Continued

REFID 31 1940 YEAR 1971 BOTDP 02630 AIR TEMP 16.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 12 SHIP SC WET BULB 12.3 24 1 2 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 31 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 13.0 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E66 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	19.19	36.354	26.02		1521.5							
13.0	OBS	00025	19.18	36.357	26.03		1521.9							
13.0	OBS	00049	19.16	36.355	26.03		1522.2							
13.0	OBS	00073	19.18	36.357	26.03		1522.7							
13.0	OBS	00097	19.13	36.366	26.05		1522.9							
13.0	OBS	00146	18.37	36.511	26.35		1521.8							
13.0	OBS	T00199	17.70	36.464	26.48		1520.6							
13.0	OBS	00297	17.16	36.400	26.57		1520.6							
13.0	OBS	T00394	16.79	36.342	26.61		1521.0							
13.0	OBS	00496	15.49	36.090	26.72		1518.4							
13.0	OBS	T00594	13.92	35.838	26.87		1514.7							
13.0	OBS	00789	10.15	35.324	27.20		1504.3							
13.0	OBS	00989	06.94	35.162	27.58		1495.3							
13.0	OBS	T01490	04.33	34.996	27.77		1493.0							

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REFID 31 1940 YEAR 1972 BOTDP 04296 AIR TEMP 13.6 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 01 SHIP SC WET BULB 09.8 31 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 02 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 13.2 AREA 05 CLOUD T/A 7/6 CL/TR WEATHER X1 ORIG E66 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	18.88											
13.2	OBS	00030	19.01	36.424	26.12		1521.6							
13.2	OBS	00047	18.87	36.416	26.15		1521.4							
13.2	OBS	00085	18.88	36.423	26.16		1522.1							
13.2	OBS	00111	18.87	36.436	26.17		1522.5							
13.2	OBS	00167	18.57	36.515	26.31		1522.7							
13.2	OBS	T00223	17.88	36.486	26.46		1521.6							
13.2	OBS	00335	17.24	36.425	26.57		1521.5							

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REFID 31 1940 YEAR 1972 BOTDP 04755 AIR TEMP 17.7 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 01 SHIP SC WET BULB 12.5 36 3 3 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 03 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 16.9 AREA 05 CLOUD T/A 6/5 CL/TR /34 WEATHER X1 ORIG E66 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.9	OBS	00000	19.78	36.397	25.90		1523.2							
16.9	OBS	00025	19.28	36.430	26.06		1522.2							
16.9	OBS	00049	19.26	36.436	26.07		1522.6							
16.9	OBS	00074	19.24	36.453	26.09		1523.0							
16.9	OBS	00099	19.17	36.511	26.15		1523.2							
16.9	OBS	00149	18.38	36.505	26.35		1521.8							
16.9	OBS	T00203	17.69	36.495	26.51		1520.7							
16.9	OBS	00302	17.25	36.413	26.56		1521.0							
16.9	OBS	00401	16.77	36.342	26.62		1521.1							
16.9	OBS	00505	15.65	36.105	26.69		1519.1							
16.9	OBS	T00604	14.03	35.846	26.85		1515.2							
16.9	OBS	00802	09.70	35.284	27.24		1502.8							
16.9	OBS	T01007	06.61	35.125	27.59		1494.3							
16.9	OBS	01517	04.35	34.995	27.77		1493.5							

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REFID 31 1940 YEAR 1972 BOTDP 03840 AIR TEMP 17.7 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 01 SHIP SC WET BULB 15.7 03 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 04 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 17.2 AREA 05 CLOUD T/A 7/6 CL/TR WEATHER X8 ORIG E66 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.2	OBS	00000	18.72	36.370	26.16		1520.2							
17.2	OBS	00030	18.70	36.439	26.21		1520.7							
17.2	OBS	00055	18.69	36.444	26.22		1521.1							
17.2	OBS	00085	18.72	36.450	26.22		1521.7							
17.2	OBS	00110	18.66	36.443	26.23		1521.9							
17.2	OBS	00165	18.28	36.481	26.35		1521.8							
17.2	OBS	T00220	17.87	36.492	26.46		1521.5							
17.2	OBS	00330	17.26	36.412	26.55		1521.4							
17.2	OBS	T00440	16.60	36.307	26.63		1521.2							
17.2	OBS	00550	14.45	35.914	26.81		1515.8							
17.2	OBS	T00660	13.00	35.714	26.96		1512.6							
17.2	OBS	00885	08.74	35.234	27.36		1500.6							
17.2	OBS	T01105	05.69	35.065	27.66		1492.2							
17.2	OBS	T01655	04.16	35.000	27.79		1495.0							

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TABLE XLV.—Continued

REFID 31 1940 YEAR 1972 BOTDP 04755 AIR TEMP 17.6 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 01 SHIP SC WET BULB 13.6 00 0 0 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 05 DATA USE 1 BAROMETR 1021.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.7 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E66 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	18.84	36.440	26.18		1520.6							
12.7	OBS	00025	18.84	36.431	26.17		1521.0							
12.7	OBS	00049	18.75	36.434	26.20		1521.2							
12.7	OBS	00074	18.76	36.429	26.19		1521.6							
12.7	OBS	00099	18.65	36.440	26.23		1521.7							
12.7	OBS	00148	18.53	36.438	26.26		1522.2							
12.7	OBS	T00198	18.15	36.496	26.40		1522.0							
12.7	OBS	00296	17.50	36.458	26.53		1521.6							
12.7	OBS	T00394	16.97	36.377	26.60		1521.6							
12.7	OBS	00493	15.96	36.177	26.68		1519.9							
12.7	OBS	T00592	13.93	35.851	26.88		1514.7							
12.7	OBS	00790	09.98	35.312	27.22		1503.7							
12.7	OBS	T00989	06.86	35.150	27.58		1495.0							
12.7	OBS	T01489	04.35	35.004	27.77		1493.0							
15.1	OBS	T01974	03.79	34.992	27.82		1498.9							
15.1	OBS	T02478	03.42											
15.1	OBS	02979	02.96	34.952	27.87		1512.5							
15.1	OBS	T03487	02.59	34.923	27.88		1519.8							
15.1	OBS	03990	02.33	34.906	27.89		1527.5							
15.1	OBS	T04348	02.23	34.895	27.89		1533.4							
15.1	OBS	T04448	02.24	34.889	27.88		1535.2							

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REFID 31 1940 YEAR 1972 BOTDP 04206 AIR TEMP 16.8 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 01 SHIP SC WET BULB 14.6 34 2 3 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 07 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 14.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E66 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.1	OBS	00000	18.49	36.442	26.27		1519.6							
14.1	OBS	00024	18.48	36.443	26.27		1520.0							
14.1	OBS	00049	18.50	36.446	26.27		1520.5							
14.1	OBS	00073	18.53	36.441	26.26		1520.9							
14.1	OBS	00098	18.48	36.444	26.27		1521.2							
14.1	OBS	00146	18.42	36.441	26.29		1521.8							
14.1	OBS	00200	18.08	36.485	26.41		1521.8							
14.1	OBS	00298	17.45	36.432	26.52		1521.5							
14.1	OBS	T00396	16.98	36.373	26.59		1521.6							
14.1	OBS	00498	15.68	36.127	26.70		1519.1							
14.1	OBS	T00596	13.87	35.792	26.84		1514.5							
14.1	OBS	00791	09.22	35.184	27.25		1500.8							
14.1	OBS	00991	06.89	35.157	27.58		1495.2							
14.1	OBS	01490	04.44	35.012	27.77		1493.4							

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TABLE XLVI.-Observed interpolated oceanographic data for stations taken by USCGC MORGENTHAU at Ocean Station ECHO, 10 January 1972 - 5 February 1972, prepared from NODC listing No. 31 - 1942.

REFID 31 1942 YEAR 1972 BOTDP 03658 AIR TEMP 15.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 01 SHIP 4M WET BULB 11.5 03 5 4 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 11 DATA USE 1 BAROMETR 1035.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.0 AREA 05 CLOUD T/A 6/6 CL/TR /27 WEATHER X1 ORIG E67 001 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.75	36.362	26.39		1517.4							
12.0	OBS	00024	17.79	36.364	26.39		1517.9							
12.0	OBS	00048	17.77	36.359	26.39		1518.2							
12.0	OBS	00072	17.75	36.360	26.39		1518.6							
12.0	OBS	00096	17.74	36.347	26.38		1518.9							
12.0	OBS	00145	17.70	36.336	26.39		1519.6							
12.0	OBS	T00198	17.68	36.318	26.38		1520.4							
12.0	OBS	00294	17.54	36.455	26.52		1521.7							
12.0	OBS	T00391	17.02	36.390	26.59		1521.7							
12.0	OBS	00492	15.78	36.142	26.69		1519.3							
12.0	OBS	T00589	13.62	35.766	26.88		1513.5							
12.0	OBS	00782	09.42	35.289	27.29		1501.5							
12.0	OBS	T00980	06.54	35.156	27.63		1493.6							
12.0	OBS	T01473	04.77	35.029	27.75		1494.5							

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REFID 31 1942 YEAR 1972 BOTDP 04297 AIR TEMP 19.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 01 SHIP 4M WET BULB 15.6 33 2 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 13 DATA USE 1 BAROMETR 1031.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 13.5 AREA 05 CLOUD T/A 8/4 CL/TR /20 WEATHER X1 ORIG E67 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	17.69	36.337	26.39		1517.2							
13.5	OBS	00025	17.70	36.337	26.39		1517.6							
13.5	OBS	00045	17.71	36.337	26.38		1518.0							
13.5	OBS	00071	17.71	36.340	26.39		1518.4							
13.5	OBS	00092	17.70	36.338	26.39		1518.7							
13.5	OBS	00137	17.70	36.337	26.39		1519.5							
13.5	OBS	T00184	17.73	36.335	26.38		1520.3							
13.5	OBS	00276	17.74	36.458	26.47		1522.0							
13.5	OBS	00459	16.33	36.248	26.65		1520.6							
13.5	OBS	T00551	14.92	36.002	26.78		1517.4							
13.5	OBS	00741	10.59	35.386	27.17		1505.2							

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REFID 31 1942 YEAR 1972 BOTDP 04846 AIR TEMP 18.4 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 01 SHIP 4M WET BULB 17.2 32 6 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 46 N DAY 14 DATA USE 1 BAROMETR 1031.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E67 003 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.09	36.454	26.38		1518.5							
12.3	OBS	00025	18.09	36.456	26.38		1518.9							
12.3	OBS	00049	18.09	36.447	26.37		1519.3							
12.3	OBS	00073	18.07	36.447	26.38		1519.6							
12.3	OBS	00098	17.86	36.392	26.39		1519.4							
12.3	OBS	00146	17.80	36.388	26.40		1520.0							
12.3	OBS	T00200	17.71	36.456	26.48		1520.7							
12.3	OBS	00298	17.23	36.419	26.56		1520.8							
12.3	OBS	00396	16.71	36.336	26.63		1520.8							
12.3	OBS	00499	15.02	36.000	26.76		1516.9							
12.3	OBS	00598		35.757										
12.3	OBS	00796	08.89	35.184	27.30		1499.6							
12.3	OBS	T00999	05.98	35.076	27.64		1491.6							
12.3	OBS	T01507	04.28	35.010	27.79		1493.1							

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TABLE XLVI.—Continued

REFID 31 1942 YEAR 1972 BOTDP 03109 AIR TEMP 18.2 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 01 SHIP 4M WET BULB 15.9 3 2 5 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 15 DATA USE 1 BAROMETR 1031.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E67 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.34	36.439	26.31		1519.2							
12.2	OBS	00024	18.35	36.449	26.31		1519.6							
12.2	OBS	00049	18.34	36.443	26.31		1520.0							
12.2	OBS	00073	18.24	36.439	26.33		1520.1							
12.2	OBS	00097	18.04	36.404	26.35		1519.9							
12.2	OBS	00146	17.93	36.394	26.37		1520.4							
12.2	OBS	T00199	17.94	36.387	26.37		1521.2							
12.2	OBS	00297	17.54	36.448	26.51		1521.8							
12.2	OBS	T00394	16.98	36.383	26.60		1521.6							
12.2	OBS	00497	15.85	36.154	26.85		1519.6							
12.2	OBS	T00595	14.02	35.841	26.85		1515.0							
12.2	OBS	00791	09.94	35.188	27.13		1503.4							
12.2	OBS	T00993	06.46	35.110	27.60		1493.4							
12.2	OBS	01498	04.50	35.031	27.78		1493.8							

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REFID 31 1942 YEAR 1972 BOTDP 04572 AIR TEMP 18.0 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 01 SHIP 4M WET BULB 16.2 2 4 4 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 16 DATA USE 1 BAROMETR 1030.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E67 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.32	36.453	26.32		1519.2							
12.2	OBS	00025	18.31	36.450	26.32		1519.5							
12.2	OBS	00050	18.32	36.445	26.32		1520.0							
12.2	OBS	00075	18.32	36.445	26.32		1520.4							
12.2	OBS	00100	18.31	36.424	26.30		1520.7							
12.2	OBS	00150	18.33											
12.2	OBS	T00205	17.95	36.443	26.41		1521.4							
12.2	OBS	00305	17.39	36.428	26.53		1521.4							
12.2	OBS	T00405	16.87	36.351	26.60		1521.4							
12.2	OBS	00510	15.79	36.130	26.68		1519.6							
12.2	OBS	T00610	13.75	35.797	26.87		1514.4							
12.2	OBS	00810	08.80	35.171	27.30		1499.5							
12.2	OBS	T01015	06.17	35.107	27.64		1492.7							
12.2	OBS	01525	04.34	35.060	27.82		1493.7							

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REFID 31 1942 YEAR 1972 BOTDP 04114 AIR TEMP 19.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 01 SHIP 4M WET BULB 15.9 20 4 3 WIND-SPD 28 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 17 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E67 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.44	36.454	26.29		1519.5							
12.1	OBS	00024	18.45	36.449	26.29		1519.9							
12.1	OBS	00043	18.45	36.450	26.29		1520.2							
12.1	OBS	00067	18.44	36.452	26.29		1520.6							
12.1	OBS	00086	18.47	36.454	26.28		1521.0							
12.1	OBS	00129	18.31	36.474	26.34		1521.3							
12.1	OBS	00172	18.05	36.479	26.41		1521.2							
12.1	OBS	00257	17.71	36.471	26.49		1521.6							
12.1	OBS	T00342	17.25	36.428	26.57		1521.6							
12.1	OBS	00430	16.93	36.368	26.60		1522.1							
12.1	OBS	T00517	15.91	36.177	26.69		1520.2							
12.1	OBS	00699	12.13	35.585	27.04		1510.1							
12.1	OBS	T00883	07.82	35.150	27.44		1497.0							
12.1	OBS	T01373	04.91	35.054	27.75		1493.5							

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REFID 31 1942 YEAR 1972 BOTDP 03420 AIR TEMP 18.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 01 SHIP 4M WET BULB 16.4 13 2 4 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 23 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E67 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.34	36.472	26.33		1519.2							
12.1	OBS	00025	18.33	36.465	26.33		1519.6							
12.1	OBS	00050	18.34	36.463	26.32		1520.0							
12.1	OBS	00075	18.34	36.464	26.33		1520.5							
12.1	OBS	00100	18.30	36.462	26.33		1520.7							
12.1	OBS	00150	18.16	36.461	26.37		1521.2							
12.1	OBS	T00205	17.84	36.478	26.46		1521.2							
12.1	OBS	00305	17.37	36.436	26.54		1521.4							
12.1	OBS	T00405	16.86	36.365	26.61		1521.4							
12.1	OBS	00510	15.96	36.173	26.68		1520.2							
12.1	OBS	T00610	14.07	35.908	26.89		1515.5							
12.1	OBS	00810	09.54	35.291	27.28		1502.4							
12.1	OBS	01015	06.25	35.078	27.60		1492.9							
12.1	OBS	T01525	04.36	35.023	27.79		1493.7							

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TABLE XLVI.—Continued

REFID 31 1942 YEAR 1972 BOTDP 03658 AIR TEMP 18.6 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 01 SHIP 4M WET BULB 17.1 18 2 2 WIND-SPD 17 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 24 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14 W HOUR 12.1 AREA 05 CLOUD T/A 8/5 CL/TR /20 WEATHER X1 ORIG E67 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.40	36.467	26.31		1519.4							
12.1	OBS	00028	18.42	36.466	26.31		1519.9							
12.1	OBS	00049	18.39	36.469	26.32		1520.2							
12.1	OBS	00075	18.29	36.462	26.34		1520.3							
12.1	OBS	00097	18.26	36.463	26.34		1520.6							
12.1	OBS	00145	18.03	36.478	26.41		1520.7							
12.1	OBS	T00193	17.81	36.474	26.46		1520.9							
12.1	OBS	00291	17.35	36.429	26.54		1521.1							
12.1	OBS	T00388	16.98	36.389	26.60		1521.5							
12.1	OBS	00487	16.17	36.216	26.66		1520.5							
12.1	OBS	T00585	14.27	35.895	26.84		1515.8							
12.1	OBS	00788	10.03	35.319	27.21		1503.9							
12.1	OBS	T00991	06.21	35.046	27.58		1492.3							

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REFID 31 1942 YEAR 1972 BOTDP 04480 AIR TEMP 18.5 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 01 SHIP 4M WET BULB 17.7 21 5 3 WIND-SPD 25 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 12.1 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E67 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.78	36.324	26.36		1517.4							
12.1	OBS	00026	17.78	36.326	26.36		1517.9							
12.1	OBS	00049	17.73	36.316	26.36		1518.1							
12.1	OBS	00074	17.64	36.332	26.40		1518.3							
12.1	OBS	00096	17.70	36.353	26.40		1518.8							

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REFID 31 1942 YEAR 1972 BOTDP 04755 AIR TEMP 18.0 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 01 SHIP 4M WET BULB 13.0 35 4 4 WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1017.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 16 W HOUR 12.0 AREA 05 CLOUD T/A 2/6 CL/TR /16 WEATHER X1 ORIG E67 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.79	36.275	26.32		1517.4							
12.0	OBS	00023	17.80	36.272	26.31		1517.8							
12.0	OBS	00047	17.76	36.265	26.32		1518.1							
12.0	OBS	00093	17.65	36.282	26.36		1518.5							
12.0	OBS	00140	17.76	36.375	26.40		1519.7							
12.0	OBS	00191	17.75											
12.0	OBS	00284	17.48	36.437	26.52		1521.4							
12.0	OBS	T00377	16.86	36.357	26.61		1521.0							
12.0	OBS	00475	16.20	36.217	26.65		1520.4							
12.0	OBS	00568	14.17	35.870	26.84		1515.1							
12.0	OBS	00754	10.38	35.363	27.19		1504.6							
12.0	OBS	T00947	06.66	35.053	27.53		1493.4							
12.0	OBS	T01434	04.51	35.039	27.78		1492.8							
12.7	OBS	T01974	03.77											
12.7	OBS	T02477	03.33	34.976	27.86		1505.5							
12.7	OBS	T02975	02.97	34.955	27.87		1512.5							
12.7	OBS	T03479	02.48	34.924	27.89		1519.2							

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REFID 31 1942 YEAR 1972 BOTDP 04755 AIR TEMP 16.2 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 02 SHIP 4M WET BULB 13.1 26 6 4 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 02 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E67 011 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.21	36.402	26.31		1518.8							
12.0	OBS	00022	18.20	36.397	26.31		1519.1							
12.0	OBS	00044	18.23	36.393	26.30		1519.5							
12.0	OBS	00066	18.23	36.392	26.30		1519.9							
12.0	OBS	00088	18.22	36.392	26.30		1520.2							
12.0	OBS	00133	18.21	36.387	26.30		1520.9							
12.0	OBS	00182	18.15	36.394	26.32		1521.6							
12.0	OBS	00272	18.16	36.419	26.34		1523.1							
12.0	OBS	T00364	17.30	36.433	26.56		1522.1							
12.0	OBS	00460	16.58	36.296	26.63		1521.4							
12.0	OBS	T00552	14.58	35.916	26.79		1516.2							
12.0	OBS	00739	09.94	35.264	27.19		1502.6							
12.0	OBS	T00933	06.76	35.069	27.53		1493.6							
12.0	OBS	T01425	04.30	34.982	27.76		1491.7							

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TABLE XLVI.—Continued

REFID 31 1942 YEAR 1972 BOTDP 04663 AIR TEMP 18.6 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 02 SHIP 4M WET BULB 17.5 22 5 2 WIND-SPD 32 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 03 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 11.9 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X8 ORIG E67 012 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.33	36.400	26.28		1519.1							
11.9	OBS	00028	18.35	36.404	26.28		1519.6							
11.9	OBS	00053	18.34	36.404	26.28		1520.0							
11.9	OBS	00082	18.34	36.404	26.28		1520.5							
11.9	OBS	00107	18.35	36.407	26.28		1520.9							
11.9	OBS	00162	18.33	36.408	26.28		1521.8							
11.9	OBS	T00219	18.19	36.470	26.37		1522.4							
11.9	OBS	00335	17.51	36.463	26.53		1522.3							
11.9	OBS	T00452	16.68	36.331	26.63		1521.6							
11.9	OBS	00575	14.48	35.921	26.81		1516.3							
11.9	OBS	T00695	11.32	35.456	27.09		1507.1							
11.9	OBS	00934	07.07	35.127	27.53		1494.9							
11.9	OBS	T01174	04.99	35.056	27.74		1490.5							
11.9	OBS	T01779	03.87	34.976	27.80		1495.9							

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REFID 31 1942 YEAR 1972 BOTDP 04846 AIR TEMP 15.4 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 02 SHIP 4M WET BULB 13.0 05 1 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 49 N DAY 04 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 48 W HOUR 13.1 AREA 05 CLOUD T/A 6/7 CL/TR /34 WEATHER X1 ORIG E67 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	18.25	36.410	26.31		1518.9							
13.1	OBS	00019	18.24	36.414	26.31		1519.2							
13.1	OBS	00034	18.25	36.408	26.30		1519.5							
13.1	OBS	00053	18.26	36.406	26.30		1519.8							
13.1	OBS	00068	18.22	36.411	26.31		1519.9							
13.1	OBS	00102	18.24	36.416	26.31		1520.6							
13.1	OBS	00136	18.20	36.423	26.33		1521.0							

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TABLE XLVII.–Observed and interpolated oceanographic data for stations taken by USCGC CHINCOTEAGUE at Ocean Station ECHO, 5 February 1972 - 29 February 1972, prepared from NODC listing No. 31-1952.

REFID 31 1952	YEAR 1972	BOTDP 03396	AIR TEMP 14.2	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1209
CONSEC 0001	MONTH 01	SHIP CC	WET BULB 11.1	35 6 2	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 34 36 N	DAY 31	DATA USE 1	BAROMETR 1015.4	SEA	WIND-FOR	DURATION	2 SQUARE 44
LONG 074 20 W	HOUR 18.2	AREA 05	CLOUD T/A 6/7	CL/TR	WEATHER X1	ORIG EEN 01E	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	24.45	36.024	24.30		1534.7							
18.2	OBS	00023	24.42	36.035	24.32		1535.0							
18.2	OBS	00043	24.21	36.048	24.39		1534.8							
18.2	OBS	00066	23.53	36.194	24.70		1533.7							
18.2	OBS	00085	23.21	36.327	24.90		1533.4							
18.2	OBS	00128	22.98	36.434	25.05		1533.7							
18.2	OBS	00226	22.38	36.711	25.43		1534.1							
18.2	OBS	00258	20.03	36.675	26.05		1528.4							
18.2	OBS	T00345	18.15	36.569	26.45		1524.5							
18.2	OBS	00435	17.15	36.435	26.60		1522.9							
18.2	OBS	T00527	16.59	36.347	26.66		1522.6							
18.2	OBS	00725	09.86	35.314	27.24		1502.2							
18.2	OBS	00925	05.72	35.074	27.67		1489.3							
18.2	OBS	T01444	04.12	35.029	27.82		1491.4							

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REFID 31 1952	YEAR 1972	BOTDP 03500	AIR TEMP 14.7	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1209
CONSEC 0002	MONTH 01	SHIP CC	WET BULB 11.8	35 4 3	WIND-SPD 22	TRACE DIR	5 SQUARE 1
LAT 34 24.3N	DAY 31	DATA USE 1	BAROMETR 1017.5	SEA	WIND-FOR	DURATION	2 SQUARE 44
LONG 074 10 W	HOUR 23.0	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG EEN 02E	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.0	OBS	00000	24.32	36.045	24.36		1534.4							
23.0	OBS	00029	24.29	36.050	24.37		1534.8							
23.0	OBS	00053	24.10	36.031	24.41		1534.7							
23.0	OBS	00082	23.51	36.250	24.75		1534.0							
23.0	OBS	00106	23.09	36.407	24.99		1533.5							
23.0	OBS	00159	22.73	36.395	25.09		1533.5							
23.0	OBS	T00280	18.89	36.566	26.26		1525.5							
23.0	OBS	00318	18.30	36.513	26.37		1524.4							
23.0	OBS	00425	17.28	36.365	26.51		1523.0							
23.0	OBS	00532	16.57	36.277	26.61		1522.5							
23.0	OBS	T00639	13.62	35.741	26.86		1514.3							
23.0	OBS	00858	07.81	35.047	27.36		1496.4							
23.0	OBS	T01074	05.01	35.015	27.71		1488.8							
23.0	OBS	T01616	04.07	34.972	27.78		1494.0							

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REFID 31 1952	YEAR 1972	BOTDP 04118	AIR TEMP 14.7	DIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1209
CONSEC 0003	MONTH 02	SHIP CC	WET BULB 11.8	00 X X	WIND-SPD 20	TRACE DIR	5 SQUARE 1
LAT 34 06.5N	DAY 01	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION	2 SQUARE 42
LONG 073 38 W	HOUR 01.2	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG EEN 03E	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.2	OBS	00000	21.15	36.207	25.39		1526.6							
01.2	OBS	00022	21.12	36.212	25.40		1526.9							
01.2	OBS	00039	21.08	36.429	25.58		1527.3							
01.2	OBS	00061	20.34	36.439	25.79		1525.7							
01.2	OBS	00079	20.42	36.562	25.86		1526.4							
01.2	OBS	00118	19.52	36.471	26.03		1524.5							
01.2	OBS	00208	17.70	36.418	26.45		1520.7							
01.2	OBS	00236	17.60	36.396	26.46		1520.9							
01.2	OBS	00315	17.36	36.418	26.53		1521.5							
01.2	OBS	00394	16.95	36.351	26.56		1521.5							
01.2	OBS	T00473	16.23	36.279	26.69		1520.5							
01.2	OBS	00634		35.727										
01.2	OBS	T00791	09.22	35.198	27.26		1500.8							
01.2	OBS	T01185	04.71	34.991	27.72		1489.4							

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TABLE XLVII.—Continued

REFID 31 1952 YEAR 1972 BOTDP 04488 AIR TEMP 13.1 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1209
CONSEC 0004 MONTH 02 SHIP CC WET BULB 11.2 32 4 2 WIND-SPD 20 TRACE DIR 5 SQUARE 1
LAT 33 50 N DAY 01 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 2 SQUARE 22
LONG 073 05 W HOUR 06.2 AREA 05 CLOUD T/A 7/6 CL/TR WEATHER X1 ORIG EEN 04E 1 SQUARE 33

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	OBS	00000	20.76	36.127	25.44		1525.5							
06.2	OBS	00030	20.16	36.377	25.79		1524.7							
06.2	OBS	00055	19.81	36.398	25.90		1524.2							
06.2	OBS	00085	19.65	36.506	26.02		1524.3							
06.2	OBS	00111	19.17	36.551	26.18		1523.5							
06.2	OBS	00166	18.29	36.514	26.38		1521.9							
06.2	OBS	T00291	17.45	36.440	26.53		1521.4							
06.2	OBS	00331	17.11	36.391	26.57		1521.0							
06.2	OBS	00441	16.06	36.197	26.67		1519.4							
06.2	OBS	00551	13.57	35.765	26.89		1512.8							
06.2	OBS	T00661	11.48	35.535	27.12		1507.2							
06.2	OBS	00886	07.09	35.056	27.47		1494.1							
06.2	OBS	T01106	05.19	35.030	27.70		1490.1							
06.2	OBS	01656	04.05	34.972	27.78		1494.6							

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REFID 31 1952 YEAR 1972 BOTDP 04789 AIR TEMP 14.7 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1209
CONSEC 0005 MONTH 02 SHIP CC WET BULB 11.8 35 6 3 WIND-SPD 22 TRACE DIR 5 SQUARE 1
LAT 33 32 N DAY 01 DATA USE 1 BAROMETR 1016.8 SEA WIND-FOR DURATION 2 SQUARE 22
LONG 072 34 W HOUR 10.6 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG EEN 05E 1 SQUARE 32

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
10.6	OBS	00000	22.43	36.282	25.09		1530.0							
10.6	OBS	00029	22.44	36.285	25.09		1530.5							
10.6	OBS	00053	22.37	36.414	25.21		1530.9							
10.6	OBS	00082	21.51	36.493	25.51		1529.2							
10.6	OBS	00106	21.44	36.633	25.63		1529.6							
10.6	OBS	00159	20.05	36.526	25.93		1526.7							
10.6	OBS	00283	18.12	36.537	26.44		1523.3							
10.6	OBS	00319	17.86											
10.6	OBS	00426	17.20	36.437	26.59		1522.9							
10.6	OBS	00533	16.17	36.243	26.68		1521.3							
10.6	OBS	T00640	14.05	35.880	26.87		1515.9							
10.6	OBS	00862	09.28	35.232	27.27		1502.2							
10.6	OBS	01079	05.84	35.065	27.65		1492.3							
10.6	OBS	T01625	04.20	35.019	27.80		1494.7							

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REFID 31 1952 YEAR 1972 BOTDP 04621 AIR TEMP 14.0 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1209
CONSEC 0006 MONTH 02 SHIP CC WET BULB 10.4 06 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 1
LAT 33 11 N DAY 01 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 22
LONG 072 03 W HOUR 15.1 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG EEN 06E 1 SQUARE 32

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.1	OBS	00000	22.30	36.408	25.22		1529.8							
15.1	OBS	00024	22.30	36.414	25.23		1530.2							
15.1	OBS	00045	22.32	36.412	25.22		1530.6							
15.1	OBS	00071	22.32	36.416	25.22		1531.1							
15.1	OBS	00091	21.74	36.430	25.40		1529.9							
15.1	OBS	00135	20.30	36.474	25.82		1526.9							
15.1	OBS	T00237	18.46	36.541	26.35		1523.5							
15.1	OBS	00269	18.16	36.514	26.41		1523.2							
15.1	OBS	00354	17.76	36.488	26.49		1523.4							
15.1	OBS	00440	17.38	36.448	26.55		1523.6							
15.1	OBS	T00524	16.93	36.372	26.60		1523.6							
15.1	OBS	00699		35.792										
15.1	OBS	T00865	09.58	35.248	27.24		1503.4							
15.1	OBS	T01288	04.79	35.028	27.74		1491.5							

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REFID 31 1952 YEAR 1972 BOTDP 05207 AIR TEMP 18.5 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1209
CONSEC 0007 MONTH 02 SHIP CC WET BULB 14.8 11 6 3 WIND-SPD 24 TRACE DIR 5 SQUARE 1
LAT 32 17 N DAY 02 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR DURATION 2 SQUARE 20
LONG 070 35 W HOUR 02.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG EEN 07E 1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
02.5	OBS	00000	20.21	36.504	25.87		1524.5							
02.5	OBS	00022	20.20	36.500	25.87		1524.8							
02.5	OBS	00041	20.22	36.498	25.86		1525.2							
02.5	OBS	00064	20.21	36.498	25.87		1525.5							
02.5	OBS	00084	19.48	36.550	26.10		1523.9							
02.5	OBS	00125	18.36	36.510	26.36		1521.4							
02.5	OBS	00168	18.01	36.503	26.44		1521.1							
02.5	OBS	00250	17.56	36.469	26.52		1521.1							
02.5	OBS	T00376	17.02	36.399	26.60		1521.5							
02.5	OBS	00415	16.82	36.365	26.62		1521.5							
02.5	OBS	T00496	15.98	36.236	26.72		1520.1							
02.5	OBS	00653		35.491										
02.5	OBS	T00808	09.14	35.219	27.29		1500.8							
02.5	OBS	T01155	04.72	35.027	27.75		1489.0							

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TABLE XLVII.—Continued

REFID 31 1952 YEAR 1972 BOTDP 03811 AIR TEMP 17.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 02 SHIP CC WET BULB 14.3 28 6 4 WIND-SPD 29 TRACE DIR 5 SQUARE 2
LAT 34 59.5N DAY 06 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55.0W HOUR 12.2 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E68 001 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.39	36.354	26.23		1519.2							
12.2	OBS	00028		36.356										
12.2	OBS	00050	18.39	36.356	26.23		1520.1							
12.2	OBS	00078	18.36	36.356	26.24		1520.4							
12.2	OBS	00100	18.38	36.352	26.23		1520.8							
12.2	OBS	00150	18.32	36.352	26.24		1521.5							
12.2	OBS	T00264	17.70	36.410	26.44		1521.6							
12.2	OBS	00301	17.51	36.391	26.48		1521.7							
12.2	OBS	T00401	17.08	36.319	26.52		1522.0							
12.2	OBS	00502	16.56	36.231	26.58		1522.0							
12.2	OBS	T00603	14.95	35.927	26.71		1518.3							
12.2	OBS	00811	09.62	35.197	27.19		1502.6							
12.2	OBS	01014	05.98	34.980	27.56		1491.7							
12.2	OBS	T01530	04.28	34.928	27.72		1493.3							

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REFID 31 1952 YEAR 1972 BOTDP 04548 AIR TEMP 16.2 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 02 SHIP CC WET BULB 12.4 29 6 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 07 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 8/8 CL/TR /08 WEATHER X1 ORIG E68 002 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.09	36.284	26.25		1518.3							
12.2	OBS	00027	18.09	36.290	26.25		1518.7							
12.2	OBS	00049	18.12	36.294	26.25		1519.2							
12.2	OBS	00076	18.09	36.294	26.26		1519.5							
12.2	OBS	00098	18.12	36.301	26.26		1520.0							
12.2	OBS	00147	18.13	36.305	26.26		1520.8							
12.2	OBS	T00258	17.88	36.433	26.42		1522.1							
12.2	OBS	00293	17.78	36.432	26.44		1522.4							
12.2	OBS	T00381	17.32	36.369	26.50		1522.4							
12.2	OBS	00489	16.66	36.256	26.58		1522.1							
12.2	OBS	T00587	15.02	35.980	26.74		1518.3							
12.2	OBS	00688	10.16	35.252	27.14		1505.9							
12.2	OBS	T00988	06.16	34.948	27.51		1491.9							
12.2	OBS	T01492	04.27											

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REFID 31 1952 YEAR 1972 BOTDP 04345 AIR TEMP 19.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 02 SHIP CC WET BULB 16.5 29 4 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 08 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/1 CL/TR WEATHER X1 ORIG E68 003 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.35	36.354	26.24		1519.1							
12.2	OBS	00028	18.34	36.350	26.24		1519.5							
12.2	OBS	00052	18.35	36.353	26.24		1520.0							
12.2	OBS	00081	18.28	36.349	26.26		1520.2							
12.2	OBS	00105	18.28	36.347	26.25		1520.6							
12.2	OBS	00158	18.27	36.351	26.26		1521.5							
12.2	OBS	00280	18.01	36.429	26.38		1522.8							
12.2	OBS	00319	17.71	36.419	26.45		1522.6							
12.2	OBS	00427	17.00	36.329	26.55		1522.2							
12.2	OBS	00536	16.17	36.167	26.62		1521.3							
12.2	OBS	T00644	13.82	35.773	26.84		1515.1							
12.2	OBS	00867	08.20	35.062	27.31		1498.0							
12.2	OBS	01086	05.33	34.982	27.64		1490.3							
12.2	OBS	T01635	04.04											

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REFID 31 1952 YEAR 1972 BOTDP 04297 AIR TEMP 19.1 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 02 SHIP CC WET BULB 18.3 22 6 3 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 09 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 049 05 W HOUR 12.7 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 ORIG E68 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	18.22	36.361	26.28		1518.8							
12.7	OBS	00026	18.25	36.363	26.27		1519.3							
12.7	OBS	00047	18.27	36.370	26.27		1519.7							
12.7	OBS	00073	18.24	36.369	26.28		1520.0							
12.7	OBS	00095	18.27	36.370	26.27		1520.5							
12.7	OBS	00142	18.22	36.380	26.29		1521.1							
12.7	OBS	T00249	17.99	36.449	26.40		1522.3							
12.7	OBS	00283	17.70	36.445	26.47		1522.0							
12.7	OBS	00377	17.17	36.376	26.55		1521.[illegible]							
12.7	OBS	00472	16.66	36.286	26.60		1521.[illegible]							
12.7	OBS	T00566	14.34	35.910	26.83		1515.7							
12.7	OBS	00759	10.23	35.295	27.16		1504.1							
12.7	OBS	T00946	05.49	34.949	27.60		1488.6							
12.7	OBS	T01415	04.40											

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TABLE XLVII.—Continued

REFID 31 1952 YEAR 1972 BOTDP 04917 AIR TEMP 15.0 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 02 SHIP CC WET BULB 14.7 27 4 5 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 49 N DAY 10 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 44 W HOUR 12.1 AREA 05 CLOUD T/A 7/8 CL/TR /08 WEATHER X2 ORIG E68 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.53	36.306	26.41		1516.7							
12.1	OBS	00026	17.55	36.317	26.41		1517.2							
12.1	OBS	00049	17.54	36.312	26.41		1517.5							
12.1	OBS	00076	17.43	36.319	26.44		1517.7							
12.1	OBS	00098	17.45	36.319	26.43		1518.1							
12.1	OBS	00147	17.42	36.326	26.44		1518.8							
12.1	OBS	T00256	17.42	36.436	26.53		1520.7							
12.1	OBS	00289	17.09	36.393	26.58		1520.2							
12.1	OBS	00378	16.43	36.293	26.66		1519.6							
12.1	OBS	00466	14.89	36.001	26.78		1515.9							
12.1	OBS	T00553	13.10	35.745	26.97		1511.2							
12.1	OBS	00731	08.96	35.203	27.30		1498.8							
12.1	OBS	T00907	06.38	35.068	27.58		1491.6							
12.1	OBS	T01355	04.39											

REFID 31 1952 YEAR 1972 BOTDP 04833 AIR TEMP 18.1 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 02 SHIP CC WET BULB 16.2 28 4 2 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 33 55 N DAY 17 DATA USE 1 BAROMETR 1016.5 SEA WIND-FOR DURATION 2 SQUARE 28
LONG 049 14 W HOUR 12.1 AREA 05 CLOUD T/A 8/4 CL/TR /18 WEATHER X1 ORIG E68 006 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.21	36.390	26.30		1518.8							
12.1	OBS	00025	18.16	36.383	26.31		1519.0							
12.1	OBS	00046	18.10	36.352	26.30		1519.2							
12.1	OBS	00070	18.04	36.345	26.31		1519.4							
12.1	OBS	00090	18.06	36.343	26.30		1519.8							
12.1	OBS	00136	18.02	36.342	26.31		1520.4							
12.1	OBS	00238	17.78	36.342	26.37		1521.4							
12.1	OBS	00271	16.88	36.181	26.47		1519.1							
12.1	OBS	00360	17.31	36.386	26.52		1522.0							
12.1	OBS	00451	16.88	36.313	26.57		1522.2							
12.1	OBS	T00543	15.68	36.169	26.74		1519.9							
12.1	OBS	00734	11.34	35.429	27.07		1507.8							
12.1	OBS	T00925	07.47	35.061	27.42		1496.2							
12.1	OBS	T01425	04.63	34.988	27.73		1493.1							

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REFID 31 1952 YEAR 1972 BOTDP 04573 AIR TEMP 17.8 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 02 SHIP CC WET BULB 16.2 29 3 4 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 18 DATA USE 1 BAROMETR 1019.7 SEA WIND-FOR DURATION 2 SQUARE 44
LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E68 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.37	36.278	26.42		1516.2							
12.1	OBS	00031	17.36	36.286	26.43		1516.7							
12.1	OBS	00057	17.36	36.279	26.43		1517.1							
12.1	OBS	00088	17.31	36.285	26.44		1517.5							
12.1	OBS	00113	17.28	36.298	26.46		1517.8							
12.1	OBS	00169	17.21	36.288	26.47		1518.5							
12.1	OBS	T00298	16.06	36.148	26.63		1517.0							
12.1	OBS	00338	15.52	36.052	26.68		1515.9							
12.1	OBS	00449	13.59	35.762	26.88		1511.1							
12.1	OBS	00559	11.46	35.425	27.04		1505.3							
12.1	OBS	T00669	09.37	35.246	27.27		1499.4							
12.1	OBS	00894	05.95	34.982	27.57		1489.6							
12.1	OBS	T01114	04.88	34.980	27.69		1488.9							
12.1	OBS	T01664	04.01	34.943	27.76		1494.5							

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REFID 31 1952 YEAR 1972 BOTDP 04558 AIR TEMP 17.4 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 02 SHIP CC WET BULB 14.0 31 4 3 WIND-SPD 23 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.3 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X1 ORIG E68 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	17.03	36.220	26.46		1515.1							
12.3	OBS	00029	17.00	36.218	26.47		1515.5							
12.3	OBS	00052	16.93	36.194	26.46		1515.6							
12.3	OBS	00081	16.86	36.190	26.48		1515.9							
12.3	OBS	00105	16.68	36.150	26.49		1515.7							
12.3	OBS	00158	16.21	36.082	26.55		1515.1							
12.3	OBS	00278	15.79	36.111	26.67		1515.8							
12.3	OBS	00317	14.97	35.958	26.73		1513.7							
12.3	OBS	00424	13.04	35.650	26.91		1508.8							
12.3	OBS	00532	11.08	35.399	27.09		1503.5							
12.3	OBS	T00640	09.00	35.247	27.33		1497.5							
12.3	OBS	00863	05.80	35.026	27.62		1488.5							
12.3	OBS	T01081	04.82	35.014	27.73		1488.2							
12.3	OBS	T01630	04.07	34.982	27.79		1494.2							

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TABLE XLVII.—Continued

REFID 31 1952 YEAR 1972 BOTDP 04658 AIR TEMP 17.9 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 02 SHIP CC WET BULB 16.0 29 6 3 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 36 N DAY 26 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 37 W HOUR 11.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E68 009 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	16.90	36.188	26.47		1514.7							
11.9	OBS	00028	16.88	36.190	26.47		1515.1							
11.9	OBS	00052	16.93	36.194	26.46		1515.6							
11.9	OBS	00080	16.96	36.225	26.48		1516.2							
11.9	OBS	00104	17.17	36.297	26.49		1517.3							
11.9	OBS	00156	16.88	36.228	26.50		1517.2							
11.9	OBS	00275	16.09	36.147	26.63		1516.7							
11.9	OBS	00313	15.83	36.129	26.67		1516.5							
11.9	OBS	00419	13.85	35.801	26.86		1511.5							
11.9	OBS	00525	11.16	35.420	27.09		1503.7							
11.9	OBS	T00632	08.78	35.178	27.31		1496.5							
11.9	OBS	00853	05.75	35.006	27.61		1488.1							
11.9	OBS	T01070	04.89	35.007	27.71		1488.3							
11.9	OBS	T01616	03.95	34.975	27.79		1493.5							
14.5	OBS	T01967	03.65											
14.5	OBS	T02476	03.26											
14.5	OBS	T02979	02.89											
14.5	OBS	T03487	02.48											
14.5	OBS	T03991	02.30											

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REFID 31 1952 YEAR 1972 BOTDP 04491 AIR TEMP 17.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 02 SHIP CC WET BULB 16.7 15 5 2 WIND-SPD 25 TRACE DIR 5 SQUARE 2
LAT 34 36 N DAY 27 DATA USE 1 BAROMETR 1031.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E68 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	16.97	36.211	26.47		1514.9							
12.0	OBS	00027	17.04	36.218	26.46		1515.6							
12.0	OBS	00051	17.01	36.230	26.47		1515.9							
12.0	OBS	00078	17.01	36.273	26.51		1516.4							
12.0	OBS	00102	17.16	36.275	26.47		1517.2							
12.0	OBS	00153	16.93	36.317	26.56		1517.4							
12.0	OBS	T00204	16.16											
12.0	OBS	00309	16.01	36.166	26.66		1517.0							
12.0	OBS	00471	13.03	35.688	26.94		1509.6							
12.0	OBS	00524	11.79											
12.0	OBS	T00631	09.57	35.290	27.27		1499.6							
12.0	OBS	00849	06.35	35.075	27.59		1490.6							
12.0	OBS	T01072	04.67	34.994	27.73		1487.4							
12.0	OBS	T01650	04.00											

REFID 31 1952 YEAR 1972 BOTDP 04527 AIR TEMP 18.0 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 02 SHIP CC WET BULB 17.0 19 3 2 WIND-SPD 22 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 28 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A 2/8 CL/TR /08 WEATHER X2 ORIG E68 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	16.80	36.205	26.50		1514.4							
12.2	OBS	00027	16.73	36.219	26.53		1514.7							
12.2	OBS	00049	16.80	36.227	26.52		1515.2							
12.2	OBS	00076	16.65	36.236	26.56		1515.2							
12.2	OBS	00099	16.54	36.231	26.59		1515.3							
12.2	OBS	00148	16.56	36.234	26.58		1516.1							
12.2	OBS	T00260	16.10	36.155	26.63		1516.5							
12.2	OBS	00296	15.95	36.156	26.67		1516.6							
12.2	OBS	00395	14.39	35.880	26.80		1513.0							
12.2	OBS	00495	12.26											
12.2	OBS	T00596	09.88											
12.2	OBS	00810	06.81											
12.2	OBS	T01024	04.84											
12.2	OBS	T01565	04.04											

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TABLE XLVIII—Observed and interpolated oceanographic data for stations taken by ESCANABA at Ocean Station ECHO, 29 February 1972 - 25 March 1972, prepared from NODC listing No. 31 - 8304.

REFID 31 8304 YEAR 1972 BOTDP 03726 AIR TEMP 18.1 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0001 MONTH 03 SHIP EN WET BULB 16.0 11 1 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 4
LAT 35 08.2N DAY 03 DATA USE 1 BAROMETR 1037.1 SEA WIND-FOR DURATION 00.9 2 SQUARE 48
LONG 048 00.0W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 C01 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	17.64	36.33	26.40		1517.0							
	OBS	00010	17.38	36.32	26.45		1516.4							
	OBS	00020	17.36	36.32	26.46		1516.5							
	OBS	00030	17.35	36.32	26.46		1516.7							
	OBS	00050	17.34	36.32	26.46		1517.0							
	OBS	00075	17.30	36.31	26.46		1517.2							
	OBS	00100	17.24	36.31	26.48		1517.5							
	OBS	00125	17.23	36.31	26.48		1517.9							
	OBS	00150	17.19	36.32	26.50		1518.2							
	OBS	00160	17.17	36.34	26.52		1518.3							
	OBS	00180	16.94	36.35	26.58		1518.0							
	OBS	00200	16.63	36.29	26.61		1517.3							
	OBS	00220	16.28	36.23	26.65		1516.5							
	OBS	00250	16.01	36.14	26.64		1516.0							
	OBS	00287	15.28	36.06	26.74		1514.3							
	OBS	00300	15.23	36.03	26.73		1514.3							
	OBS	00400	13.47	35.73	26.88		1509.9							
	OBS	00420	13.06	35.69	26.93		1508.8							
	OBS	00460	12.54	35.62	26.98		1507.6							
	OBS	00500	11.39	35.43	27.06		1504.1							
	OBS	00520	11.25	35.42	27.08		1503.9							
	OBS	00600	08.86	35.12	27.25		[illegible]5.2							
	OBS	00640	08.08	35.08	27.34		3.9							
	OBS	00660	08.02	35.06	27.35		[illegible]4.0							
	OBS	00700	07.16	35.03	27.44		1491.2							
	OBS	00722	06.57	35.04	27.53		1489.3							
	OBS	00800	06.14	35.03	27.58		1488.9							
	OBS	00850	05.50	35.01	27.64		1487.1							
	OBS	00900	05.29	35.02	27.68		1487.1							
	OBS	01000	04.86	35.00	27.71		1487.0							
	OBS	01100	04.60	34.99	27.73		1487.5							
	OBS	01200	04.40	34.98	27.75		1488.4							
	OBS	01300	04.27	34.98	27.76		1489.5							
	OBS	01400	04.18	34.98	27.77		1490.8							
	OBS	01500	04.07	34.98	27.78		1492.0							

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REFID 31 8304 YEAR 1972 BOTDP 02388 AIR TEMP 17.9 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0002 MONTH 03 SHIP EN WET BULB 16.7 13 1 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 4
LAT 35 17 N DAY 04 DATA USE 1 BAROMETR 1036.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 04 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 C02 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.1	OBS	00000	17.89	36.31	26.32		1517.7							
	OBS	00010	17.56	36.28	26.38		1516.9							
	OBS	00020	17.43	36.30	26.42		1516.7							
	OBS	00030	17.41	36.30	26.43		1516.9							
	OBS	00050	17.37	36.30	26.44		1517.0							
	OBS	00075	17.30	36.31	26.46		1517.2							
	OBS	00100	17.29	36.30	26.46		1517.6							
	OBS	00125	17.24	36.35	26.51		1517.9							
	OBS	00132	17.31	36.36	26.50		1518.3							
	OBS	00150	17.30	36.38	26.52		1518.6							
	OBS	00170	17.00	36.30	26.53		1517.9							
	OBS	00200	16.78	36.32	26.60		1517.8							
	OBS	00250	16.15	36.18	26.64		1516.5							
	OBS	00300	15.23	36.03	26.73		1514.3							
	OBS	00400	13.52	35.74	26.88		1510.1							
	OBS	00450	12.45	35.58	26.97		1507.1							
	OBS	00500	11.69	35.49	27.05		1505.2							
	OBS	00530	11.13	35.43	27.10		1503.7							
	OBS	00600	09.37	35.17	27.21		1498.1							
	OBS	00640	08.32	35.06	27.29		1494.7							
	OBS	00700	07.51	35.06	27.41		1492.6							
	OBS	00800	05.91	35.00	27.59		1487.9							
	OBS	00885	05.29	35.01	27.67		1486.8							
	OBS	00900	05.26	35.02	27.68		1487.0							
	OBS	00950	05.20	35.01	27.68		1487.5							
	OBS	01000	04.95	35.01	27.71		1487.3							
	OBS	01050	04.71	34.99	27.72		1487.2							
	OBS	01100	04.59	35.00	27.74		1487.5							
	OBS	01200	04.45	35.00	27.76		1488.6							
	OBS	01300	04.25	34.99	27.77		1489.4							
	OBS	01400	04.14	34.98	27.78		1490.6							
	OBS	01500	04.02	34.98	27.79		1491.8							

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TABLE XLVIII.—Continued

REFID 31 8304	YEAR 1972	BOTDP 04263	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 03	SHIP EN	WET BULB 16.5	24 2 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 35 02 N	DAY 04	DATA USE 1	BAROMETR 1034.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 59 W	HOUR 12.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 003	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	17.37	36.31	26.45		1516.2							
	OBS	00010	17.37	36.31	26.45		1516.4							
	OBS	00020	17.36	36.31	26.45		1516.5							
	OBS	00030	17.34	36.31	26.45		1516.6							
	OBS	00050	17.34	36.33	26.47		1517.0							
	OBS	00075	17.35	36.36	26.49		1517.5							
	OBS	00090	17.35	36.37	26.50		1517.7							
	OBS	00100	17.28	36.34	26.49		1517.6							
	OBS	00115	17.22	36.37	26.53		1517.7							
	OBS	00125	17.15	36.34	26.52		1517.7							
	OBS	00150	16.83	36.33	26.59		1517.1							
	OBS	00200	16.09	36.20	26.67		1515.5							
	OBS	00250	15.25	36.02	26.72		1513.5							
	OBS	00300	14.43	35.89	26.80		1511.6							
	OBS	00355	13.50	35.78	26.91		1509.3							
	OBS	00400	12.16	35.57	27.02		1505.3							
	OBS	00500	09.85	35.25	27.19		1498.4							
	OBS	00550	08.72	35.12	27.28		1494.8							
	OBS	00600	07.99	35.08	27.36		1492.8							
	OBS	00640	07.15	35.03	27.44		1490.2							
	OBS	00700	06.58	35.05	27.54		1489.0							
	OBS	00760	05.82	35.00	27.60		1486.9							
	OBS	00800	05.67	35.02	27.63		1487.0							
	OBS	00900	05.15	35.02	27.69		1486.5							
	OBS	01000	04.84	35.01	27.72		1486.9							
	OBS	01100	04.51	34.99	27.74		1487.2							
	OBS	01200	04.34	34.99	27.76		1488.1							
	OBS	01300	04.24	34.99	27.77		1489.4							
	OBS	01400	04.09	34.99	27.79		1490.4							
	OBS	01492	04.04	35.00	27.80		1491.8							

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REFID 31 8304	YEAR 1972	BOTDP 04178	AIR TEMP 17.5	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0004	MONTH 03	SHIP EN	WET BULB 16.0	20 3 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 05	DATA USE 1	BAROMETR 1031.7	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 047 59 W	HOUR 02.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG E69 004	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
02.2	OBS	00000	17.58	36.31	26.40		1516.8							
	OBS	00010	17.56	36.31	26.40		1516.9							
	OBS	00020	17.55	36.32	26.41		1517.1							
	OBS	00030	17.56	36.32	26.41		1517.3							
	OBS	00040	17.54	36.32	26.41		1517.4							
	OBS	00050	17.38	36.32	26.45		1517.1							
	OBS	00075	17.36	36.32	26.46		1517.4							
	OBS	00100	17.31	36.32	26.47		1517.7							
	OBS	00125	17.28	36.32	26.48		1518.0							
	OBS	00150	17.23	36.33	26.50		1518.3							
	OBS	00170	17.22	36.35	26.51		1518.6							
	OBS	00200	16.92	36.33	26.57		1518.2							
	OBS	00250	16.52	36.25	26.60		1517.7							
	OBS	00270	15.92	36.17	26.68		1516.1							
	OBS	00300	15.41	36.05	26.71		1514.9							
	OBS	00355	14.05	35.84	26.84		1511.2							
	OBS	00380	13.95	35.81	26.84		1511.2							
	OBS	00400	13.62	35.76	26.87		1510.4							
	OBS	00440	13.30	35.75	26.93		1510.0							
	OBS	00470	12.37	35.56	26.97		1507.1							
	OBS	00500	11.90	35.52	27.03		1506.0							
	OBS	00528	11.48	35.42	27.03		1504.9							
	OBS	00532	10.85	35.34	27.09		1502.6							
	OBS	00600	09.16	35.17	27.24		1497.4							
	OBS	00610	08.77	35.14	27.28		1496.0							
	OBS	00642	08.50	35.07	27.27		1495.5							
	OBS	00670	07.66	35.06	27.39		1492.7							
	OBS	00700	07.48	35.05	27.41		1492.5							
	OBS	00800	05.86	35.04	27.62		1487.8							
	OBS	00850	05.45	35.03	27.67		1486.9							
	OBS	00900	05.27	35.03	27.69		1487.0							
	OBS	01000	04.89	35.02	27.73		1487.1							
	OBS	01040	04.63	35.00	27.74		1486.7							
	OBS	01100	04.51	35.00	27.75		1487.2							
	OBS	01200	04.32	34.99	27.77		1488.1							
	OBS	01250	04.22	34.98	27.77		1488.5							
	OBS	01300	04.16	34.99	27.78		1489.1							
	OBS	01400	04.11	35.00	27.80		1490.5							
	OBS	01440	04.11	35.00	27.80		1491.2							
	OBS	01480	04.05	35.00	27.80		1491.6							

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TABLE XLVIII.—Continued

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REFID  31  8304     YEAR 1972    BOTDP 04369    AIR TEMP   18.8    DIR HGT PER     WIND-DIR 20    INST STD RECORDER      TEN SQ 1206
CONSEC     0005     MONTH 03     SHIP EN        WET BULB   16.4     19  2   X      WIND-SPD 15    TRACE DIR         D    5 SQUARE  2
LAT    34 59  N     DAY   05     DATA USE  1    BAROMETR 1029.4    SEA             WIND-FOR       DURATION      00.7   2 SQUARE 48
LONG  048 00  W     HOUR 15.9    AREA     05    CLOUD T/A          CL/TR           WEATHER  X1    ORIG E69 005         1 SQUARE 48
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.9	OBS	00000	17.62	36.31	26.39		1517.0							
	OBS	00010	17.55	36.31	26.40		1516.9							
	OBS	00020	17.50	36.31	26.42		1516.9							
	OBS	00030	17.48	36.31	26.42		1517.0							
	OBS	00050	17.38	36.33	26.46		1517.1							
	OBS	00075	17.35	36.33	26.47		1517.4							
	OBS	00100	17.34	36.33	26.47		1517.8							
	OBS	00120	17.34	36.36	26.49		1518.2							
	OBS	00125	17.28	36.33	26.48		1518.3							
	OBS	00140	17.16	36.36	26.54		1518.0							
	OBS	00150	17.07	36.34	26.54		1517.8							
	OBS	00200	16.47	36.24	26.61		1516.7							
	OBS	00210	16.36	36.20	26.60		1516.5							
	OBS	00218	16.51	36.27	26.62		1517.2							
	OBS	00250	16.18	36.21	26.65		1516.6							
	OBS	00300	15.47	36.07	26.71		1515.1							
	OBS	00350	14.52	35.91	26.80		1512.7							

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REFID  31  8304     YEAR 1972    BOTDP 04493    AIR TEMP   18.0    DIR HGT PER     WIND-DIR 13    INST NANSEN CAST       TEN SQ 1206
CONSEC     0006     MONTH 03     SHIP EN        WET BULB   13.0     16  2   2      WIND-SPD 16    TRACE DIR              5 SQUARE  2
LAT    34 59.1N     DAY   06     DATA USE  1    BAROMETR 1029.8    SEA             WIND-FOR       DURATION               2 SQUARE 46
LONG  047 51.8W     HOUR 12.4    AREA     05    CLOUD T/A   3/5    CL/TR    /19    WEATHER  X1    ORIG E69 006           1 SQUARE 47
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	17.53	36.303	26.40		1516.7							
12.4	OBS	00045	17.24	36.279	26.45		1516.5							
12.4	OBS	00091	16.93	36.217	26.48		1516.3							
12.4	OBS	00136	17.02	36.269	26.50		1517.4							
12.4	OBS	00181	16.93	36.280	26.53		1517.9							
12.4	OBS	00227	16.70	36.277	26.58		1517.9							
12.4	OBS	00272	16.28	36.227	26.64		1517.3							
12.4	OBS	00363		35.949										
12.4	OBS	T00454	12.68	35.711	27.03		1508.1							

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REFID  31  8304     YEAR 1972    BOTDP 02591    AIR TEMP   18.8    DIR HGT PER     WIND-DIR 21    INST STD RECORDER      TEN SQ 1206
CONSEC     0007     MONTH 03     SHIP EN        WET BULB   17.1     21  3   2      WIND-SPD 15    TRACE DIR         D    5 SQUARE  4
LAT    35 07  N     DAY   07     DATA USE  1    BAROMETR 1028.2    SEA             WIND-FOR       DURATION      00.4   2 SQUARE 46
LONG  047 49  W     HOUR 12.1    AREA     05    CLOUD T/A          CL/TR           WEATHER  X1    ORIG E69 007         1 SQUARE 57
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.39	36.27	26.41		1516.2							
	OBS	00010	17.34	36.28	26.43		1516.3							
	OBS	00020	17.34	36.28	26.43		1516.4							
	OBS	00030	17.36	36.30	26.44		1516.7							
	OBS	00045	17.35	36.30	26.44		1516.9							
	OBS	00050	17.29	36.30	26.46		1516.8							
	OBS	00075	17.18	36.31	26.49		1516.9							
	OBS	00100	17.22	36.34	26.51		1517.5							
	OBS	00125	17.25	36.35	26.51		1518.0							
	OBS	00150	17.23	36.34	26.50		1518.3							
	OBS	00165	17.22	36.34	26.51		1518.5							
	OBS	00200	16.88	36.33	26.58		1518.1							
	OBS	00220	16.57	36.28	26.62		1517.4							
	OBS	00250	16.37	36.25	26.64		1517.3							
	OBS	00300	15.16	36.03	26.75		1514.1							
	OBS	00320	15.03	35.99	26.75		1513.9							
	OBS	00361	13.86	35.80	26.85		1510.6							
	OBS	00390	13.63	35.75	26.86		1510.3							
	OBS	00400	13.31	35.72	26.90		1509.4							
	OBS	00455	12.47	35.61	26.99		1507.3							
	OBS	00500	11.34	35.43	27.07		1503.9							
	OBS	00520	10.62	35.35	27.14		1501.6							
	OBS	00600	08.88	35.16	27.28		1496.3							
	OBS	00640	07.89	35.06	27.36		1493.1							
	OBS	00659	07.36	35.05	27.43		1491.4							
	OBS	00700	06.87	35.01	27.47		1490.1							
	OBS	00750	06.12	35.04	27.59		1488.0							
	OBS	00800	05.75	35.03	27.63		1487.3							
	OBS	00870	05.31	35.02	27.68		1486.7							
	OBS	00900	05.23	35.03	27.69		1486.8							
	OBS	01000	04.84	35.01	27.72		1486.9							
	OBS	01100	04.59	34.99	27.74		1487.5							
	OBS	01140	04.45	34.99	27.75		1487.6							
	OBS	01200	04.39	35.00	27.77		1488.4							
	OBS	01300	04.23	35.00	27.78		1489.4							
	OBS	01400	04.10	34.99	27.79		1490.5							
	OBS	01490	04.02	34.99	27.80		1491.7							

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TABLE XLVIII.—Continued

REFID 31 8304	YEAR 1972	BOTDP 04430	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 03	SHIP EN	WET BULB 17.7	22 3 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 34 58.5N	DAY 08	DATA USE 1	BAROMETR 1030.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 02.5W	HOUR 00.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 008	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.3	OBS	00000	17.52	36.28	26.39		1516.6							
	OBS	00010	17.53	36.28	26.39		1516.8							
	OBS	00020	17.49	36.28	26.39		1516.9							
	OBS	00030	17.36	36.28	26.43		1516.7							
	OBS	00050	17.26	36.28	26.45		1516.7							
	OBS	00075	17.19	36.29	26.48		1516.9							
	OBS	00100	17.16	36.29	26.48		1517.2							
	OBS	00125	17.14	36.31	26.50		1517.6							
	OBS	00150	17.09	36.36	26.55		1517.9							
	OBS	00200	16.68	36.30	26.61		1517.4							
	OBS	00250	16.04	36.18	26.66		1516.2							
	OBS	00300	15.05	36.00	26.75		1513.7							
	OBS	00400	13.60	35.79	26.90		1510.4							
	OBS	00500	11.32	35.43	27.07		1503.9							
	OBS	00580	10.07	35.22	27.13		1500.4							
	OBS	00600	08.99	35.14	27.25		1496.7							
	OBS	00640	08.01	35.08	27.36		1493.6							
	OBS	00665	07.59	35.05	27.39		1492.3							
	OBS	00700	07.46	35.12	27.47		1492.5							
	OBS	00720	07.07	35.11	27.52		1491.3							
	OBS	00750	06.92	35.12	27.54		1491.2							
	OBS	00800	06.52	35.09	27.58		1490.5							
	OBS	00822	05.69	35.03	27.64		1487.4							
	OBS	00900	05.29	35.02	27.68		1487.1							
	OBS	00920	05.11	35.01	27.69		1486.7							
	OBS	01000	04.84	34.99	27.71		1486.9							
	OBS	01020	04.72	34.99	27.72		1486.7							
	OBS	01050	04.72	35.00	27.73		1487.2							
	OBS	01070	04.63	34.99	27.73		1487.2							
	OBS	01100	04.59	35.00	27.74		1487.5							
	OBS	01155	04.58	35.01	27.75		1488.4							
	OBS	01200	04.49	35.00	27.75		1488.8							
	OBS	01265	04.27	34.99	27.77		1488.9							
	OBS	01300	04.27	34.99	27.77		1489.5							
	OBS	01400	04.15	34.99	27.78		1490.7							
	OBS	01490	04.08	34.99	27.79		1491.9							

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REFID 31 8304	YEAR 1972	BOTDP 04687	AIR TEMP 16.3	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 03	SHIP EN	WET BULB 15.0	34 3 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 34 53.5N	DAY 08	DATA USE 1	BAROMETR 1033.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E69 009	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	17.47	36.30	26.42		1516.5							
	OBS	00010	17.48	36.30	26.41		1516.7							
	OBS	00020	17.48	36.30	26.41		1516.9							
	OBS	00030	17.47	36.30	26.42		1517.0							
	OBS	00050	17.30	36.30	26.46		1516.8							
	OBS	00075	17.05	36.25	26.48		1516.4							
	OBS	00100	17.00	36.26	26.50		1516.7							
	OBS	00125	17.02	36.27	26.50		1517.2							
	OBS	00143	16.94	36.26	26.51		1517.2							
	OBS	00150	17.00	36.33	26.55		1517.6							
	OBS	00200	16.59	36.28	26.61		1517.1							
	OBS	00250	16.02	36.17	26.66		1516.1							
	OBS	00300	14.97	35.98	26.75		1513.4							
	OBS	00370	13.84	35.77	26.83		1510.7							
	OBS	00400	13.04	35.67	26.92		1508.4							
	OBS	00440	12.16	35.56	27.01		1505.9							
	OBS	00460	12.12	35.56	27.02		1506.1							
	OBS	00500	11.30	35.41	27.06		1503.8							
	OBS	00550	10.56	35.32	27.12		1501.8							
	OBS	00600	08.75	35.14	27.29		1495.8							
	OBS	00700	07.23	35.05	27.45		1491.5							
	OBS	00750	06.52	35.05	27.54		1489.6							
	OBS	00800	06.02	35.01	27.58		1488.4							
	OBS	00900	05.30	35.02	27.68		1487.1							
	OBS	01000	04.96	35.01	27.71		1487.4							
	OBS	01040	04.71	35.00	27.73		1487.0							
	OBS	01100	04.56	34.99	27.74		1487.4							
	OBS	01200	04.45	35.00	27.76		1488.6							
	OBS	01300	04.31	35.00	27.77		1489.7							
	OBS	01400	04.18	34.99	27.78		1490.8							
	OBS	01460	04.14	34.99	27.78		1491.7							
	OBS	01500	04.07	34.99	27.79		1492.0							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTDP 04630 AIR TEMP 16.9 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0010 MONTH 03 SHIP EN WET BULB 14.8 31 3 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1034.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 49
LONG 048 00 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E59 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.2	OBS	00000	17.53	36.28	26.39		1516.7							
	OBS	00010	17.51	36.30	26.41		1516.8							
	OBS	00020	17.49	36.29	26.40		1516.9							
	OBS	00030	17.49	36.29	26.40		1517.0							
	OBS	00040	17.47	36.29	26.41		1517.2							
	OBS	00050	17.34	36.29	26.44		1516.9							
	OBS	00075	16.90	36.19	26.47		1515.9							
	OBS	00090	16.83	36.19	26.49		1516.0							
	OBS	00100	16.90	36.22	26.49		1516.4							
	OBS	00125	17.00	36.26	26.50		1517.1							
	OBS	00146	17.06	36.28	26.50		1517.7							
	OBS	00150	17.02	36.28	26.51		1517.6							
	OBS	00182	16.40	36.18	26.56		1516.2							
	OBS	00192	16.54	36.25	26.60		1516.8							
	OBS	00200	16.45	36.23	26.61		1516.7							
	OBS	00250	15.67	36.09	26.68		1514.9							
	OBS	00300	14.82	35.93	26.75		1512.9							
	OBS	00400	12.81	35.64	26.94		1507.6							
	OBS	00420	12.42	35.58	26.98		1506.5							
	OBS	00470	12.02	35.54	27.02		1505.9							
	OBS	00500	11.19	35.39	27.06		1503.3							
	OBS	00540	10.21	35.27	27.15		1500.4							
	OBS	00550	10.15	35.27	27.16		1500.3							
	OBS	00560	10.00	35.25	27.17		1499.9							
	OBS	00600	08.95	35.15	27.26		1496.6							
	OBS	00640	07.95	35.05	27.34		1493.3							
	OBS	00700	07.28	35.03	27.42		1491.7							
	OBS	00740	06.87	35.02	27.47		1490.7							
	OBS	00800	06.13	35.04	27.59		1488.8							
	OBS	00840	05.71	35.02	27.63		1487.8							
	OBS	00900	05.35	35.01	27.66		1487.3							
	OBS	00980	05.05	35.01	27.70		1487.4							
	OBS	01000	04.84	35.00	27.72		1486.9							
	OBS	01100	04.60	34.99	27.73		1487.5							
	OBS	01200	04.43	35.00	27.76		1488.5							
	OBS	01300	04.25	34.99	27.77		1489.4							
	OBS	01400	04.09	34.98	27.78		1490.4							
	OBS	01500	04.00	34.98	27.79		1491.7							

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REFID 31 8304 YEAR 1972 BOTDP 03180 AIR TEMP 16.6 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0011 MONTH 03 SHIP EN WET BULB 15.9 14 2 2 WIND-SPD 19 TRACE DIR D 5 SQUARE 4
LAT 35 12 N DAY 10 DATA USE 1 BAROMETR 1030.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 11 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.3	OBS	00000	17.64	36.32	26.39		1517.0							
	OBS	00010	17.61	36.32	26.40		1517.1							
	OBS	00020	17.60	36.33	26.41		1517.3							
	OBS	00030	17.56	36.34	26.42		1517.3							
	OBS	00050	17.56	36.34	26.42		1517.6							
	OBS	00075	17.66	36.38	26.43		1518.4							
	OBS	00090	17.51	36.36	26.45		1518.2							
	OBS	00100	17.06	36.23	26.46		1516.9							
	OBS	00125	16.64	36.14	26.49		1515.9							
	OBS	00150	16.01	35.96	26.50		1514.2							
	OBS	00160	15.98	35.96	26.51		1514.2							
	OBS	00175	16.62	36.19	26.53		1516.7							
	OBS	00185	.54	36.17	26.54		1516.6							
	OBS	00200	.81	36.29	26.57		1517.8							
	OBS	00230	16.81	36.30	26.57		1518.3							
	OBS	00250	16.61	36.26	26.59		1518.0							
	OBS	00300	16.08	36.18	26.65		1517.1							
	OBS	00330	15.61	36.06	26.67		1516.0							
	OBS	00358	14.69	35.92	26.77		1513.4							
	OBS	00380	14.84	35.97	26.77		1514.3							
	OBS	00400	14.21	35.83	26.80		1512.4							
	OBS	00460	12.92	35.65	26.93		1509.0							
	OBS	00500	12.39	35.57	26.97		1507.7							
	OBS	00600	10.17	35.28	27.16		1501.2							
	OBS	00660	08.84	35.15	27.28		1497.1							
	OBS	00682	08.78	35.19	27.32		1497.3							
	OBS	00700	08.48	35.16	27.35		1496.5							
	OBS	00743	07.19	35.04	27.43		1492.0							
	OBS	00780	06.50	35.09	27.52		1491.6							
	OBS	00800	07.00	35.13	27.54		1492.4							
	OBS	00830	06.73	35.11	27.56		1491.8							
	OBS	00850	06.05	35.02	27.58		1489.3							
	OBS	00900	05.43	35.00	27.65		1487.6							
	OBS	00915	05.29	35.00	27.66		1487.3							
	OBS	01000	05.03	35.00	27.69		1487.7							
	OBS	01100	04.71	35.00	27.73		1488.0							
	OBS	01160	04.63	35.00	27.74		1488.7							
	OBS	01200	04.49	34.99	27.75		1488.8							
	OBS	01300	04.29	34.99	27.77		1489.6							
	OBS	01400	04.15	34.97	27.77		1490.7							
	OBS	01490	04.08	34.97	27.78		1491.9							

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TABLE XLVIII.—Continued

REFID 31 8304	YEAR 1972	BOTDP 04823	AIR TEMP 19.3	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1206
CONSEC 0012	MONTH 03	SHIP EN	WET BULB 17.1	14 2 2	WIND-SPD 11	TRACE DIR D	5 SQUARE 2
LAT 34 53 N	DAY 10	DATA USE 1	BAROMETR 1028.2	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 48
LONG 048 07 W	HOUR 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 012	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	17.39	36.31	26.44		1516.3							
	OBS	00010	17.41	36.31	26.44		1516.5							
	OBS	00020	17.39	36.31	26.44		1516.6							
	OBS	00030	17.36	36.31	26.45		1516.7							
	OBS	00050	17.37	36.31	26.45		1517.0							
	OBS	00075	17.09	36.28	26.49		1516.6							
	OBS	00080	17.07	36.28	26.50		1516.6							
	OBS	00100	17.16	36.33	26.51		1517.3							
	OBS	00125	16.96	36.29	26.53		1517.0							
	OBS	00150	16.84	36.31	26.57		1517.1							
	OBS	00200	16.29	36.20	26.62		1516.1							
	OBS	00250	16.06	36.19	26.67		1516.2							
	OBS	00300	15.17	36.00	26.72		1514.1							
	OBS	00400	13.66	35.78	26.88		1510.6							
	OBS	00500	11.76	35.49	27.03		1505.5							
	OBS	00600	09.41	35.20	27.23		1498.3							
	OBS	00660	08.20	35.10	27.34		1494.7							
	OBS	00700	07.84	35.09	27.39		1493.9							
	OBS	00740	06.90	35.03	27.48		1490.9							
	OBS	00800	06.32	35.01	27.54		1489.6							
	OBS	00840	05.77	35.01	27.61		1488.0							
	OBS	00900	05.39	35.01	27.66		1487.5							
	OBS	01000	04.97	35.01	27.71		1487.4							
	OBS	01100	04.67	34.99	27.73		1487.8							
	OBS	01200	04.49	34.99	27.75		1488.8							
	OBS	01300	04.34	34.98	27.76		1489.8							
	OBS	01400	04.21	34.98	27.77		1490.9							
	OBS	01500	04.13	34.98	27.78		1492.3							
	OBS	01750	03.92	34.98	27.80		1495.6							
	OBS	01940	03.86	34.97	27.80		1498.6							
	OBS	02000	03.76	34.97	27.81		1499.2							
	OBS	02140	03.66	34.97	27.82		1501.1							
	OBS	02500	03.31	34.96	27.85		1505.8							
	OBS	02600	03.24	34.96	27.85		1507.2							
	OBS	02980	02.79	34.93	27.87		1511.8							

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REFID 31 8304	YEAR 1972	BOTDP 04790	AIR TEMP 17.6	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0013	MONTH 03	SHIP EN	WET BULB 17.0	16 2 2	WIND-SPD 11	TRACE DIR D	5 SQUARE 2
LAT 34 53 N	DAY 11	DATA USE 1	BAROMETR 1027.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 05 W	HOUR 00.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 013	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.3	OBS	00000	17.63	36.33	26.40		1517.0							
	OBS	00010	17.61	36.33	26.40		1517.1							
	OBS	00020	17.44	36.30	26.42		1516.7							
	OBS	00030	17.36	36.29	26.43		1516.7							
	OBS	00040	17.28	36.29	26.45		1516.6							
	OBS	00050	17.28	36.29	26.45		1516.8							
	OBS	00062	17.28	36.29	26.45		1517.0							
	OBS	00068	17.10	36.26	26.47		1516.5							
	OBS	00075	17.10	36.26	26.47		1516.6							
	OBS	00100	17.08	36.27	26.49		1517.0							
	OBS	00125	17.04	36.28	26.50		1517.3							
	OBS	00150	17.02	36.28	26.51		1517.6							
	OBS	00160	17.11	36.33	26.53		1518.1							
	OBS	00180	16.86	36.31	26.57		1517.7							
	OBS	00192	16.88	36.32	26.57		1517.9							
	OBS	00200	16.82	36.31	26.58		1517.9							
	OBS	00250	16.26	36.21	26.63		1516.9							
	OBS	00300	15.78	36.13	26.68		1516.1							
	OBS	00400	13.96	35.81	26.84		1511.6							
	OBS	00500	12.04	35.54	27.02		1506.8							
	OBS	00520	11.82	35.48	27.01		1506.0							
	OBS	00600	09.55	35.22	27.22		1498.9							
	OBS	00661	08.16	35.08	27.33		1494.5							
	OBS	00700	07.91	35.12	27.40		1494.2							
	OBS	00740	06.86	35.00	27.46		1490.7							
	OBS	00800	06.39	35.03	27.55		1489.9							
	OBS	00830	05.84	35.00	27.59		1488.1							
	OBS	00900	05.39	35.01	27.66		1487.5							
	OBS	01000	05.00	35.00	27.70		1487.5							
	OBS	01040	04.81	34.99	27.71		1487.4							
	OBS	01100	04.64	34.99	27.73		1487.7							
	OBS	01200	04.48	34.99	27.75		1488.7							
	OBS	01300	04.32	34.99	27.77		1489.7							
	OBS	01346	04.31	34.98	27.76		1490.4							
	OBS	01358	04.23	34.98	27.77		1490.3							
	OBS	01400	04.19	34.98	27.77		1490.8							
	OBS	01490	04.13	34.98	27.78		1492.1							

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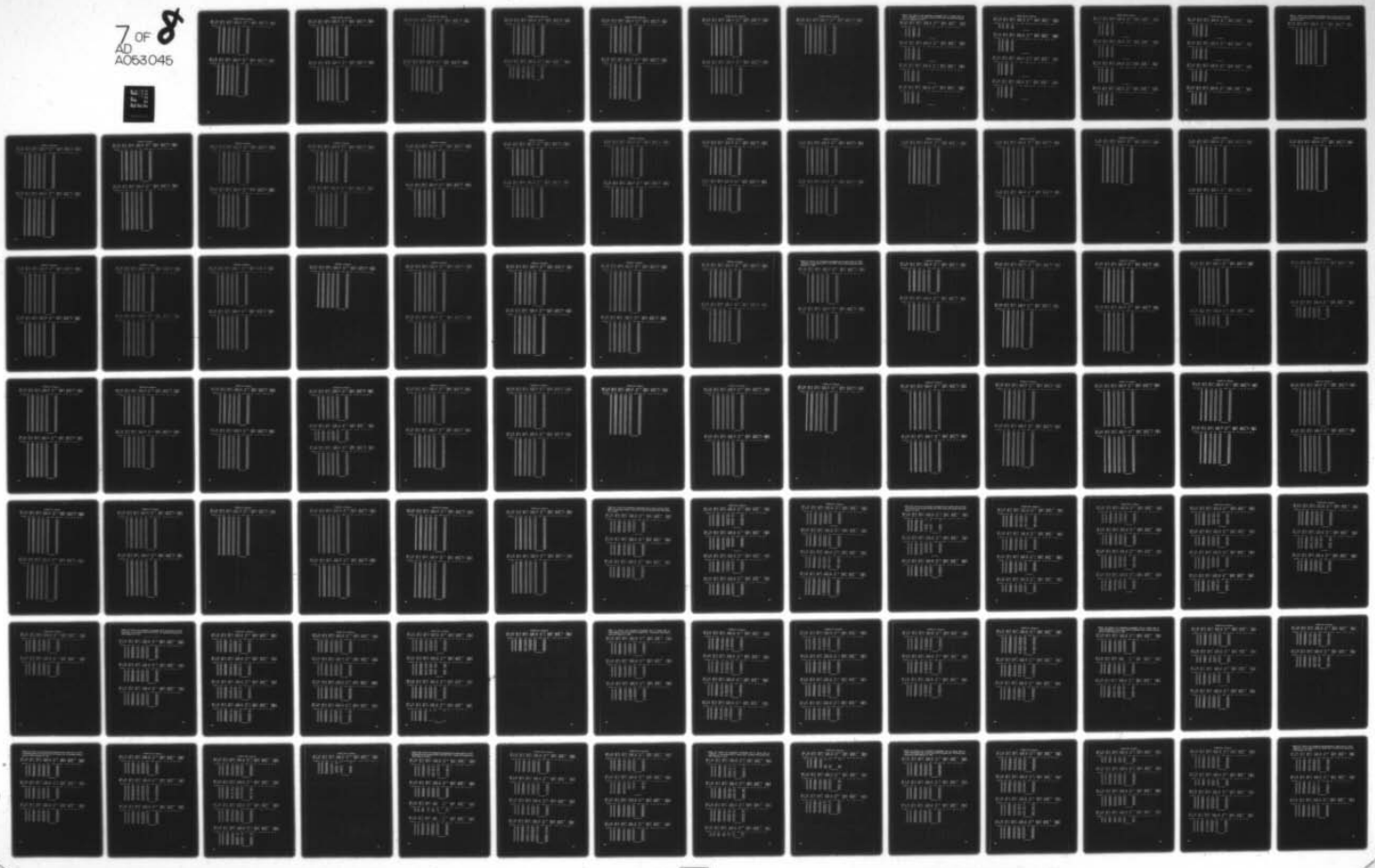


TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTDP 04356 AIR TEMP 19.5 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 03 SHIP EN WET BULB 17.5 15 3 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 02 W HOUR 12.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.5	OBS	00000	17.79	36.34	26.37		1517.5							
	OBS	00010	17.69	36.35	26.40		1517.4							
	OBS	00020	17.67	36.35	26.40		1517.5							
	OBS	00030	17.58	36.34	26.42		1517.4							
	OBS	00050	17.52	36.33	26.43		1517.5							
	OBS	00075	17.34	36.33	26.47		1517.4							
	OBS	00100	17.31	36.33	26.48		1517.7							
	OBS	00125	17.22	36.32	26.49		1517.8							
	OBS	00150	17.16	36.31	26.50		1518.1							
	OBS	00200	16.88	36.32	26.57		1518.1							
	OBS	00250	16.43	36.25	26.63		1517.4							
	OBS	00300	15.50	36.07	26.70		1515.2							
	OBS	00400	13.77	35.77	26.85		1510.9							
	OBS	00419	13.50	35.75	26.89		1510.3							
	OBS	00425	13.56	35.78	26.90		1510.7							
	OBS	00500	11.77	35.48	27.02		1505.5							
	OBS	00600	09.78	35.24	27.20		1499.7							
	OBS	00687	08.02	35.03	27.31		1494.3							
	OBS	00700	07.71	35.07	27.39		1493.4							
	OBS	00720	07.66	35.10	27.42		1493.6							
	OBS	00750	06.76	34.99	27.46		1490.4							
	OBS	00775	06.69	35.02	27.50		1490.6							
	OBS	00800	06.36	35.02	27.54		1489.7							
	OBS	00840	05.83	34.99	27.59		1488.2							
	OBS	00900	05.38	35.00	27.65		1487.4							
	OBS	01000	04.99	35.00	27.70		1487.5							
	OBS	01100	04.61	34.99	27.73		1487.6							
	OBS	01200	04.40	34.98	27.75		1488.4							
	OBS	01300	04.24	34.98	27.77		1489.4							
	OBS	01400	04.09	34.97	27.77		1490.4							
	OBS	01489	04.02	34.98	27.79		1491.6							

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REFID 31 8304 YEAR 1972 BOTDP 02087 AIR TEMP 18.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206
CONSEC 0015 MONTH 03 SHIP EN WET BULB 17.3 16 3 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 11 N DAY 12 DATA USE 1 BAROMETR 1024.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	17.84	36.36	26.37		1517.7							
	OBS	00010	17.78	36.35	26.38		1517.6							
	OBS	00020	17.76	36.36	26.39		1517.8							
	OBS	00030	17.73	36.35	26.39		1517.8							
	OBS	00050	17.54	36.33	26.42		1517.6							
	OBS	00075	17.31	36.31	26.46		1517.3							
	OBS	00100	17.23	36.30	26.47		1517.4							
	OBS	00125	17.20	36.30	26.48		1517.8							
	OBS	00150	17.23	36.31	26.48		1518.3							
	OBS	00175	17.27	36.34	26.49		1518.8							
	OBS	00200	17.05	36.32	26.53		1518.6							
	OBS	00250	16.61	36.26	26.59		1518.0							
	OBS	00300	15.93	36.14	26.66		1516.6							
	OBS	00400	13.96	35.81	26.84		1511.6							
	OBS	00500	12.04	35.51	27.00		1506.5							
	OBS	00575	10.11	35.28	27.17		1500.6							
	OBS	00600	09.25	35.19	27.25		1497.7							
	OBS	00670	08.19	35.13	27.37		1494.8							
	OBS	00700	07.17	35.00	27.42		1491.2							
	OBS	00705	06.99	35.01	27.45		1490.6							
	OBS	00758	06.64	35.04	27.52		1490.2							
	OBS	00765	06.79	35.09	27.54		1490.9							
	OBS	00777	06.75	35.10	27.55		1491.0							
	OBS	00790	06.92	35.14	27.56		1491.9							
	OBS	00800	06.84	35.14	27.57		1491.8							
	OBS	00850	05.95	35.04	27.61		1488.9							
	OBS	00900	05.35	35.00	27.65		1487.3							
	OBS	01000	05.02	35.01	27.70		1487.6							
	OBS	01040	04.82	35.00	27.72		1487.5							
	OBS	01100	04.70	34.99	27.72		1488.0							
	OBS	01140	04.66	34.99	27.73		1488.5							
	OBS	01173	04.46	34.98	27.74		1488.2							
	OBS	01200	04.44	34.99	27.75		1488.5							
	OBS	01300	04.32	34.98	27.76		1489.7							
	OBS	01400	04.21	34.98	27.77		1490.9							
	OBS	01500	04.06	34.97	27.78		1492.0							

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TABLE XLVIII.—Continued

REFID 31 8304	YEAR 1972	BOTDP 04812	AIR TEMP 10.9	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 03	SHIP EN	WET BULB 07.9	35 4 2	WIND-SPD 17	TRACE DIR D	5 SQUARE 2
LAT 34 51 N	DAY 14	DATA USE 1	BAROMETR 1022.5	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 03 W	HOUR 12.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 016	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	17.36	36.34	26.47		1516.2							
	OBS	00010	17.37	36.34	26.47		1516.4							
	OBS	00020	17.38	36.33	26.46		1516.6							
	OBS	00030	17.39	36.34	26.47		1516.8							
	OBS	00050	17.39	36.34	26.47		1517.1							
	OBS	00060	17.39	36.33	26.46		1517.3							
	OBS	00075	17.04	36.30	26.52		1516.5							
	OBS	00100	16.89	36.31	26.56		1516.4							
	OBS	00125	16.75	36.29	26.58		1516.4							
	OBS	00150	16.70	36.29	26.59		1516.7							
	OBS	00200	16.43	36.24	26.62		1516.6							
	OBS	00250	16.25	36.22	26.64		1516.9							
	OBS	00262	16.23	36.22	26.65		1517.0							
	OBS	00300	15.83	36.14	26.68		1516.3							
	OBS	00340	15.33	36.04	26.72		1515.3							
	OBS	00400	14.08	35.84	26.84		1512.0							
	OBS	00500	12.27	35.56	26.99		1507.3							
	OBS	00540	11.60	35.46	27.04		1505.5							
	OBS	00600	09.64	35.21	27.20		1499.2							
	OBS	00640	08.63	35.12	27.29		1496.0							
	OBS	00690	07.87	35.10	27.39		1493.9							
	OBS	00700	07.86	35.11	27.40		1494.0							
	OBS	00718	07.77	35.11	27.41		1494.0							
	OBS	00753	06.84	35.03	27.49		1490.9							
	OBS	00790	06.96	35.12	27.54		1492.1							
	OBS	00800	06.85	35.10	27.54		1491.8							
	OBS	00850	05.89	35.01	27.60		1488.7							
	OBS	00900	05.42	34.98	27.63		1487.6							
	OBS	00940	05.17	35.00	27.68		1487.2							
	OBS	01000	04.93	34.99	27.70		1487.2							
	OBS	01100	04.58	34.98	27.73		1487.4							
	OBS	01200	04.44	34.98	27.74		1488.5							
	OBS	01300	04.29	34.97	27.75		1489.6							
	OBS	01400	04.12	34.96	27.76		1490.5							
	OBS	01480	04.03	34.96	27.77		1491.5							

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REFID 31 8304	YEAR 1972	BOTDP 03898	AIR TEMP 15.7	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0017	MONTH 03	SHIP EN	WET BULB 11.9	16 3 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 17	DATA USE 1	BAROMETR 1024.6	SEA	WIND-FOR	DURATION 03.5	2 SQUARE 48
LONG 048 24 W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 017	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	17.57	36.32	26.41		1516.8							
	OBS	00010	17.57	36.32	26.41		1517.0							
	OBS	00020	17.57	36.32	26.41		1517.2							
	OBS	00030	17.57	36.32	26.41		1517.3							
	OBS	00050	17.57	36.32	26.41		1517.6							
	OBS	00075	17.57	36.32	26.41		1518.1							
	OBS	00100	17.55	36.31	26.40		1518.4							
	OBS	00125	17.42	36.33	26.45		1518.4							
	OBS	00140	17.12	36.25	26.46		1517.7							
	OBS	00150	17.26	36.31	26.47		1518.4							
	OBS	00165	17.35	36.35	26.48		1518.9							
	OBS	00180	17.14	36.30	26.50		1518.5							
	OBS	00200	17.16	36.32	26.51		1518.9							
	OBS	00210	16.93	36.27	26.52		1518.3							
	OBS	00235	16.90	36.31	26.56		1518.7							
	OBS	00250	16.79	36.30	26.58		1518.6							
	OBS	00300	16.20	36.19	26.63		1517.5							
	OBS	00400	14.52	35.87	26.76		1513.5							
	OBS	00480	13.51	35.75	26.89		1511.4							
	OBS	00500	12.91	35.64	26.92		1509.6							
	OBS	00540	11.59	35.46	27.04		1505.5							
	OBS	00600	10.32	35.31	27.16		1501.8							
	OBS	00700	08.23	35.09	27.33		1495.4							
	OBS	00715	08.22	35.10	27.34		1495.6							
	OBS	00730	07.71	35.06	27.38		1493.9							
	OBS	00800	06.41	34.99	27.51		1489.9							
	OBS	00900	05.38	34.98	27.64		1487.4							
	OBS	00940	05.14	34.97	27.66		1487.1							
	OBS	01000	04.99	34.98	27.68		1487.5							
	OBS	01040	04.82	34.98	27.70		1487.4							
	OBS	01100	04.70	34.98	27.72		1487.9							
	OBS	01170	04.44	34.96	27.73		1488.0							
	OBS	01200	04.31	34.94	27.73		1487.9							
	OBS	01210	04.25	34.94	27.73		1487.9							
	OBS	01270	04.23	34.96	27.75		1488.8							
	OBS	01300	04.26	34.96	27.75		1489.4							
	OBS	01330	04.33	34.98	27.76		1490.3							
	OBS	01400	04.18	34.96	27.76		1490.8							
	OBS	01474	04.02	34.96	27.77		1491.4							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTDP 03273 AIR TEMP 17.4 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0018 MONTH 03 SHIP EN WET BULB 16.1 20 4 2 WIND-SPD 19 TRACE DIR D 5 SQUARE 4
LAT 35 08 N DAY 17 DATA USE 1 BAROMETR 1022.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 45 W HOUR 13.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 018 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	17.37	36.31	26.45		1516.2							
	OBS	00010	17.38	36.31	26.44		1516.4							
	OBS	00020	17.37	36.31	26.45		1516.6							
	OBS	00030	17.37	36.31	26.45		1516.7							
	OBS	00050	17.36	36.31	26.45		1517.0							
	OBS	00075	17.37	36.32	26.45		1517.5							
	OBS	00100	17.37	36.32	26.45		1517.9							
	OBS	00110	17.36	36.31	26.45		1518.0							
	OBS	00125	17.06	36.28	26.50		1517.3							
	OBS	00150	16.82	36.26	26.54		1517.0							
	OBS	00175	16.75	36.26	26.56		1517.2							
	OBS	00200	16.59	36.25	26.59		1517.1							
	OBS	00240	16.52	36.22	26.58		1517.5							
	OBS	00250	16.40	36.23	26.62		1517.3							
	OBS	00280	15.90	36.13	26.66		1516.2							
	OBS	00300	15.81	36.12	26.67		1516.2							
	OBS	00330	15.10	35.98	26.72		1514.3							
	OBS	00400	14.23	35.84	26.80		1512.5							
	OBS	00460	12.91	35.64	26.92		1508.9							
	OBS	00480	11.91	35.49	27.00		1505.7							
	OBS	00500	11.79	35.49	27.03		1505.6							
	OBS	00525	11.00	35.36	27.07		1503.0							
	OBS	00600	09.44	35.18	27.21		1498.4							
	OBS	00640	09.00	35.14	27.25		1497.4							
	OBS	00652	08.28	35.08	27.31		1494.8							
	OBS	00680	08.14	35.07	27.33		1494.7							
	OBS	00700	07.79	35.05	27.36		1493.7							
	OBS	00800	06.11	35.01	27.57		1488.7							
	OBS	00850	05.65	34.99	27.61		1487.7							
	OBS	00900	05.32	34.99	27.65		1487.2							
	OBS	01000	04.85	34.98	27.70		1486.9							
	OBS	01100	04.58	34.97	27.72		1487.4							
	OBS	01200	04.41	34.97	27.74		1488.4							
	OBS	01300	04.21	34.96	27.75		1489.2							
	OBS	01400	04.11	34.96	27.76		1490.5							
	OBS	01470	04.05	34.96	27.77		1491.4							

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REFID 31 8304 YEAR 1972 BOTDP 04243 AIR TEMP 18.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206
CONSEC 0019 MONTH 03 SHIP EN WET BULB 17.0 21 3 3 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 18 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 52 W HOUR 01.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 019 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.5	OBS	00000	17.45	36.28	26.40		1516.4							
	OBS	00010	17.44	36.28	26.41		1516.6							
	OBS	00020	17.44	36.28	26.41		1516.7							
	OBS	00030	17.44	36.28	26.41		1516.9							
	OBS	00040	17.44	36.28	26.41		1517.1							
	OBS	00050	17.35	36.29	26.44		1517.0							
	OBS	00075	17.34	36.30	26.45		1517.4							
	OBS	00100	17.40	36.33	26.46		1518.0							
	OBS	00125	17.41	36.35	26.47		1518.4							
	OBS	00130	17.35	36.34	26.47		1518.3							
	OBS	00150	17.36	36.36	26.49		1518.7							
	OBS	00178	17.33	36.37	26.50		1519.1							
	OBS	00200	17.11	36.35	26.54		1518.8							
	OBS	00250	16.84	36.32	26.58		1518.8							
	OBS	00300	16.14	36.17	26.63		1517.3							
	OBS	00400	13.97	35.81	26.84		1511.6							
	OBS	00500	11.93	35.51	27.02		1506.1							
	OBS	00560	09.97	35.24	27.16		1499.8							
	OBS	00600	09.33	35.18	27.22		1498.0							
	OBS	00700	07.41	35.02	27.40		1492.2							
	OBS	00800	06.19	35.02	27.56		1489.0							
	OBS	00840	05.80	35.00	27.60		1488.1							
	OBS	00900	05.44	35.00	27.64		1487.7							
	OBS	01000	05.04	34.99	27.68		1487.7							
	OBS	01100	04.63	34.97	27.72		1487.6							
	OBS	01200	04.49	34.97	27.73		1488.7							
	OBS	01300	04.33	34.97	27.75		1489.7							
	OBS	01400	04.17	34.96	27.76		1490.7							
	OBS	01500	04.06	34.96	27.77		1492.0							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTDP 03749 AIR TEMP 17.6 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206
CONSEC 0020 MONTH 03 SHIP EN WET BULB 16.4 28 3 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 35 03 N DAY 16 DATA USE 1 BAROMETR 1024.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 41 W HOUR 13.9 AREA 05 CLOUD T/A CL/TR WEATHER XO ORIG E69 020 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	17.51	36.29	26.40		1516.6							
	OBS	00010	17.51	36.29	26.40		1516.8							
	OBS	00020	17.49	36.29	26.40		1516.9							
	OBS	00030	17.49	36.29	26.40		1517.0							
	OBS	00050	17.46	36.29	26.41		1517.3							
	OBS	00075	17.45	36.29	26.41		1517.7							
	OBS	00100	17.45	36.29	26.41		1518.1							
	OBS	00112	17.44	36.29	26.41		1518.2							
	OBS	00125	17.29	36.28	26.44		1518.0							
	OBS	00150	17.16	36.29	26.48		1518.0							
	OBS	00167	17.13	36.28	26.48		1518.2							
	OBS	00200	16.20	36.09	26.56		1515.7							
	OBS	00215	16.49	36.19	26.57		1517.0							
	OBS	00230	16.48	36.18	26.56		1517.2							
	OBS	00250	16.19	36.14	26.60		1516.6							
	OBS	00300	15.43	36.02	26.68		1514.9							
	OBS	00340	14.96	35.95	26.73		1514.0							
	OBS	00400	14.04	35.81	26.82		1511.9							
	OBS	00433	13.49	35.71	26.86		1510.5							
	OBS	00450	13.44	35.72	26.88		1510.6							
	OBS	00500	12.30	35.50	26.94		1507.3							
	OBS	00600	10.11	35.26	27.15		1501.0							
	OBS	00700	08.16	35.09	27.34		1495.2							
	OBS	00750	07.33	35.07	27.45		1492.8							
	OBS	00755	07.47	35.09	27.44		1493.4							
	OBS	00800	06.40	35.00	27.52		1489.9							
	OBS	00900	05.63	34.98	27.60		1488.4							
	OBS	00940	05.31	34.98	27.64		1487.8							
	OBS	01000	05.04	34.98	27.68		1487.7							
	OBS	01065	04.80	34.97	27.70		1487.8							
	OBS	01100	04.81	34.98	27.70		1488.4							
	OBS	01200	04.52	34.97	27.73		1488.9							
	OBS	01300	04.25	34.95	27.74		1489.4							
	OBS	01400	04.12	34.95	27.76		1490.5							
	OBS	01500	04.07	34.96	27.77		1492.0							

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REFID 31 8304 YEAR 1972 BOTDP 04736 AIR TEMP 17.2 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0021 MONTH 03 SHIP EN WET BULB 15.9 17 3 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 19 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR /24 WEATHER X1 ORIG E69 021 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	17.69	36.315	26.37		1517.2							
12.9	OBS	00046	17.58	36.330	26.41		1517.6							
12.9	OBS	00093	17.59											
12.9	OBS	00139	17.12	36.275	26.48		1517.7							
12.9	OBS	00186	17.07	36.238	26.46		1518.3							
12.9	OBS	00233	16.42											
12.9	OBS	T00279	16.06	36.178	26.66		1516.7							
12.9	OBS	00372	14.30	35.853	26.80		1512.3							
12.9	OBS	00466		35.625										
12.9	OBS	00559	10.60	35.379	27.16		1502.2							
12.9	OBS	T00652	08.37	35.120	27.33		1495.2							
12.9	OBS	00746	06.97	35.081	27.51		1491.3							
12.9	OBS	00915	05.19	34.993	27.67		1486.9							
12.9	OBS	T01399	04.14	34.960	27.76		1490.6							

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TABLE XLVIII.—Continued

REFID 31 8304	YEAR 1972	BOTDP 04700	AIR TEMP 17.1	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
CONSEC 0022	MONTH 03	SHIP EN	WET BULB 14.9	05 1 3	WIND-SPD 06	TRACE DIR D	5 SQUARE 2
LAT 34 57 N	DAY 21	DATA USE 1	BAROMETR 1018.8	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 10 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 022	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	17.41	36.26	26.40		1516.3							
	OBS	00010	17.39	36.26	26.40		1516.4							
	OBS	00020	17.36	36.26	26.41		1516.5							
	OBS	00030	17.39	36.27	26.41		1516.7							
	OBS	00040	17.45	36.30	26.42		1517.1							
	OBS	00050	17.35	36.29	26.44		1517.0							
	OBS	00075	17.17	36.27	26.46		1516.8							
	OBS	00100	17.13	36.27	26.47		1517.1							
	OBS	00115	17.27	36.33	26.49		1517.8							
	OBS	00125	17.22	36.34	26.51		1517.9							
	OBS	00150	17.17	36.34	26.52		1518.1							
	OBS	00200	16.68	36.26	26.57		1517.4							
	OBS	00250	16.28	36.20	26.62		1516.9							
	OBS	00300	15.36	36.03	26.70		1514.7							
	OBS	00360	14.13	35.81	26.80		1511.5							
	OBS	00400	13.87	35.79	26.84		1511.3							
	OBS	00500	12.13	35.52	26.99		1506.8							
	OBS	00600	09.75	35.22	27.19		1499.6							
	OBS	00700	07.77	35.04	27.36		1493.6							
	OBS	00800	06.28	34.99	27.53		1489.4							
	OBS	00830	05.95	34.99	27.57		1488.5							
	OBS	00900	05.44	34.98	27.63		1487.6							
	OBS	01000	04.99	34.99	27.69		1487.5							
	OBS	01100	04.70	34.98	27.72		1487.9							
	OBS	01200	04.57	34.98	27.73		1489.1							
	OBS	01300	04.39	34.97	27.74		1490.0							
	OBS	01400	04.20	34.96	27.75		1490.9							
	OBS	01500	04.11	34.96	27.76		1492.2							
	OBS	01750	03.90	34.96	27.79		1495.5							
	OBS	02000	03.70	34.95	27.80		1498.9							
	OBS	02500	03.29	34.94	27.83		1505.7							
	OBS	03000	02.88	34.92	27.85		1512.5							

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REFID 31 8304	YEAR 1972	BOTDP 04799	AIR TEMP 16.5	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0023	MONTH 03	SHIP EN	WET BULB 14.0	06 0 3	WIND-SPD 04	TRACE DIR D	5 SQUARE 2
LAT 34 51 N	DAY 21	DATA USE 1	BAROMETR 1016.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 12 W	HOUR 00.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 023	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.3	OBS	00000	17.46	36.27	26.39		1516.4							
	OBS	00010	17.47	36.27	26.39		1516.6							
	OBS	00020	17.36	36.26	26.41		1516.5							
	OBS	00030	17.29	36.26	26.43		1516.4							
	OBS	00050	17.23	36.26	26.44		1516.6							
	OBS	00075	17.20	36.26	26.45		1516.9							
	OBS	00100	17.11	36.29	26.49		1517.1							
	OBS	00125	17.14	36.31	26.50		1517.6							
	OBS	00150	17.12	36.33	26.52		1518.0							
	OBS	00160	17.01	36.33	26.55		1517.8							
	OBS	00180	17.01	36.33	26.55		1518.1							
	OBS	00200	16.80	36.30	26.56		1517.8							
	OBS	00220	16.54	36.25	26.60		1517.3							
	OBS	00250	16.42	36.23	26.61		1517.4							
	OBS	00300	15.71	36.09	26.67		1515.9							
	OBS	00339	15.13	36.00	26.73		1514.6							
	OBS	00380	14.68	35.93	26.78		1513.7							
	OBS	00400	14.40	35.89	26.81		1513.1							
	OBS	00500	12.89	35.65	26.94		1509.5							
	OBS	00550	11.94	35.52	27.02		1506.9							
	OBS	00600	10.46	35.28	27.11		1502.3							
	OBS	00660	09.47	35.18	27.20		1499.5							
	OBS	00700	08.17	35.08	27.33		1495.2							
	OBS	00725	08.05	35.08	27.35		1495.1							
	OBS	00740	07.53	35.03	27.39		1493.3							
	OBS	00800	06.76	34.99	27.46		1491.3							
	OBS	00850	06.14	34.99	27.55		1489.6							
	OBS	00900	05.72	34.99	27.60		1488.8							
	OBS	00950	05.26	34.98	27.65		1487.7							
	OBS	01000	05.13	34.99	27.67		1488.0							
	OBS	01100	04.66	34.96	27.70		1487.7							
	OBS	01155	04.47	34.95	27.72		1487.9							
	OBS	01175	04.58	34.98	27.73		1488.7							
	OBS	01200	04.59	34.98	27.73		1489.2							
	OBS	01215	04.36	34.94	27.72		1488.4							
	OBS	01248	04.35	34.94	27.72		1488.9							
	OBS	01280	04.24	34.95	27.74		1489.0							
	OBS	01300	04.28	34.95	27.74		1489.5							
	OBS	01320	04.36	34.97	27.75		1490.2							
	OBS	01400	04.24	34.96	27.75		1491.0							
	OBS	01500	04.05	34.95	27.76		1491.9							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTDP 04810 AIR TEMP 17.5 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 03 SHIP EN WET BULB 14.7 00 0 X WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 49 N DAY 21 DATA USE 1 BAROMETR 1012.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 09 W HOUR 12.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 024 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	17.51	36.26	26.37		1516.6							
	OBS	00010	17.48	36.26	26.38		1516.7							
	OBS	00020	17.46	36.27	26.39		1516.8							
	OBS	00030	17.40	36.26	26.40		1516.7							
	OBS	00050	17.31	36.26	26.42		1516.8							
	OBS	00075	17.33	36.28	26.43		1517.3							
	OBS	00085	17.14	36.24	26.45		1516.9							
	OBS	00100	17.08	36.25	26.47		1516.9							
	OBS	00125	17.03	36.27	26.50		1517.2							
	OBS	00150	17.19	36.34	26.51		1518.2							
	OBS	00180	17.12	36.34	26.53		1518.5							
	OBS	00200	16.87	36.29	26.55		1518.0							
	OBS	00250	16.31	36.20	26.62		1517.0							
	OBS	00300	15.74	36.10	26.67		1516.0							
	OBS	00340	15.04	35.97	26.73		1514.3							
	OBS	00400	13.95	35.79	26.83		1511.5							
	OBS	00472	12.88	35.64	26.93		1509.0							
	OBS	00500	12.18	35.52	26.98		1506.9							
	OBS	00600	09.76	35.23	27.19		1499.7							
	OBS	00670	08.02	35.06	27.34		1494.1							
	OBS	00700	07.78	35.04	27.36		1493.6							
	OBS	00730	07.16	35.01	27.42		1491.7							
	OBS	00760	07.07	35.03	27.45		1491.9							
	OBS	00770	06.72	35.04	27.51		1490.7							
	OBS	00790	06.80	35.07	27.52		1491.4							
	OBS	00800	06.71	35.05	27.52		1491.1							
	OBS	00820	06.08	34.98	27.55		1488.9							
	OBS	00900	05.52	35.00	27.63		1488.0							
	OBS	01000	05.10	34.99	27.68		1487.9							
	OBS	01100	04.77	34.98	27.71		1488.2							
	OBS	01200	04.56	34.98	27.73		1489.0							
	OBS	01250	04.51	34.99	27.74		1489.7							
	OBS	01280	04.44	34.98	27.74		1489.9							
	OBS	01300	04.31	34.97	27.75		1489.7							
	OBS	01400	04.25	34.97	27.76		1491.1							
	OBS	01500	04.13	34.97	27.77		1492.3							

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REFID 31 8304 YEAR 1972 BOTDP 04623 AIR TEMP 17.0 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 03 SHIP EN WET BULB 15.6 20 3 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 22 DATA USE 1 BAROMETR 1007.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 58 W HOUR 00.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E69 025 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.9	OBS	00000	17.48	36.26	26.38		1516.5							
	OBS	00010	17.35	36.26	26.41		1516.3							
	OBS	00020	17.35	36.29	26.44		1516.5							
	OBS	00030	17.36	36.29	26.43		1516.7							
	OBS	00050	17.36	36.31	26.45		1517.0							
	OBS	00075	17.32	36.30	26.45		1517.3							
	OBS	00100	17.32	36.33	26.47		1517.7							
	OBS	00125	17.16	36.30	26.49		1517.6							
	OBS	00150	16.97	36.28	26.52		1517.5							
	OBS	00200	16.58	36.25	26.59		1517.1							
	OBS	00250	15.83	36.11	26.66		1515.4							
	OBS	00270	15.32	36.01	26.70		1514.1							
	OBS	00300	15.06	35.98	26.73		1513.7							
	OBS	00400	13.60	35.73	26.85		1510.3							
	OBS	00500	11.74	35.45	27.01		1505.3							
	OBS	00580	09.40	35.19	27.22		1498.0							
	OBS	00600	09.24	35.17	27.23		1497.7							
	OBS	00615	08.46	35.08	27.29		1494.9							
	OBS	00650	08.19	35.08	27.33		1494.4							
	OBS	00680	07.57	35.04	27.39		1492.5							
	OBS	00700	07.43	35.04	27.41		1492.3							
	OBS	00750	07.13	35.09	27.49		1492.0							
	OBS	00800	06.57	35.07	27.55		1490.5							
	OBS	00900	05.66	35.01	27.62		1488.6							
	OBS	00925	05.35	34.99	27.65		1487.7							
	OBS	01000	05.08	35.00	27.69		1487.9							
	OBS	01100	04.78	34.98	27.71		1488.3							
	OBS	01200	04.45	34.97	27.74		1488.6							
	OBS	01300	04.31	34.96	27.74		1489.6							
	OBS	01400	04.18	34.97	27.76		1490.8							
	OBS	01500	04.07	34.96	27.77		1492.0							

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TABLE XLVIII.—Continued

REFID 31 8304	YEAR 1972	BOTDP 04986	AIR TEMP 17.1	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0026	MONTH 03	SHIP FN	WET BULB 14.4	07 0 4	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 35 55 N	DAY 24	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 049 05 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E69 026	1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.1	OBS	00000	17.09	36.27	26.48		1515.4							
	OBS	00010	17.05	36.27	26.49		1515.4							
	OBS	00020	17.03	36.27	26.50		1515.5							
	OBS	00030	17.02	36.27	26.50		1515.6							
	OBS	00050	17.02	36.27	26.50		1516.0							
	OBS	00075	17.00	36.26	26.50		1516.3							
	OBS	00100	17.00	36.26	26.50		1516.7							
	OBS	00125	17.00	36.26	26.50		1517.1							
	OBS	00150	16.99	36.26	26.50		1517.5							
	OBS	00175	16.84	36.29	26.56		1517.5							
	OBS	00200	16.57	36.24	26.59		1517.0							
	OBS	00250	16.09	36.15	26.63		1516.3							
	OBS	00270	15.56	36.04	26.67		1514.3							
	OBS	00300	15.29	36.01	26.70		1514.5							
	OBS	00350	13.57	35.80	26.83		1510.8							
	OBS	00380	13.72	35.74	26.84		1510.4							
	OBS	00400	13.20	35.69	26.90		1509.0							
	OBS	00500	11.55	35.46	27.05		1504.7							
	OBS	00520	11.06	35.39	27.09		1503.2							
	OBS	00600	09.65	35.21	27.19		1499.2							
	OBS	00640	08.59	35.11	27.29		1495.8							
	OBS	00700	07.83	35.06	27.37		1493.9							
	OBS	00770	06.98	35.08	27.51		1491.8							
	OBS	00800	06.61	35.10	27.54		1491.6							
	OBS	00828	06.26	35.07	27.59		1489.9							
	OBS	00900	05.96	35.09	27.65		1489.9							
	OBS	01000	05.45	35.07	27.70		1489.5							
	OBS	01070	05.18	35.05	27.71		1489.5							
	OBS	01100	05.17	35.06	27.72		1490.0							
	OBS	01200	04.88	35.04	27.74		1490.4							
	OBS	01250	04.70	35.03	27.75		1490.5							
	OBS	01300	04.61	35.03	27.77		1491.0							
	OBS	01400	04.41	35.01	27.77		1491.8							
	OBS	01500	04.24	35.00	27.78		1492.8							

TABLE XLIX.–Observed and interpolated oceanographic data for stations taken by USCGC CAMPBELL at Ocean Station ECHO, 25 March 1972 - 20 April 1972, prepared from NODC listing No. 31 - 1979.

REFID 31 1979	YEAR 1972	BOTDP 04316	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 29	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 03	SHIP CM	WET BULB 15.5	07 5 5	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 26	DATA USE 1	BAROMETR 1008.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 21.1	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X1	ORIG E70 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.1	OBS	00000	17.59											
21.1	OBS	00028	17.27											
21.1	OBS	00051	17.29											
21.1	OBS	00079	17.29											
21.1	OBS	00092	17.29											
21.1	OBS	00153	17.21											
21.1	OBS	T00204	16.85											
21.1	OBS	00306	15.69											
21.1	OBS	T00409	13.72											
21.1	OBS	00511	12.30											
21.1	OBS	T00520	12.28											

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REFID 31 1979	YEAR 1972	BOTDP 04881	AIR TEMP 14.2	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 04	SHIP CM	WET BULB 11.5	09 1 5	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 47 N	DAY 01	DATA USE 1	BAROMETR 1026.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 52 W	HOUR 13.6	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X2	ORIG E70 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	17.21											
13.6	OBS	00025	17.16											
13.6	OBS	00050	17.18											
13.6	OBS	00075	17.19											
13.6	OBS	00100	17.20											
13.6	OBS	00151	17.20											
13.6	OBS	T00206	17.08											
13.6	OBS	00306	15.99											
13.6	OBS	T00406	14.59											
13.6	OBS	00511	13.14											
13.6	OBS	T00611	10.83											
13.6	OBS	00812	06.92											
13.6	OBS	01018	05.27											
13.6	OBS	T01532	04.04											

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REFID 31 1979	YEAR 1972	BOTDP 04247	AIR TEMP 18.2	DIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 04	SHIP CM	WET BULB 16.8	09 1 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 05 N	DAY 03	DATA USE 1	BAROMETR 1023.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 51 W	HOUR 16.3	AREA 05	CLOUD T/A 8/4	CL/TR /10	WEATHER X1	ORIG E70 003	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.3	OBS	00000	17.26											
16.3	OBS	00027	17.05											
16.3	OBS	00050	17.01											
16.3	OBS	00079	17.00											
16.3	OBS	00101	16.97											
16.3	OBS	00150	16.98											
16.3	OBS	T00198	16.96											
16.3	OBS	00290	15.99											
16.3	OBS	00470	13.41											
16.3	OBS	T00557	11.66											
16.3	OBS	T00720	08.11											
16.3	OBS	T00900	05.39											
16.3	OBS	T01427	04.19											

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REFID 31 1979	YEAR 1972	BOTDP 04246	AIR TEMP 16.7	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0004	MONTH 04	SHIP CM	WET BULB 15.3	22 4 3	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 04	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 56 W	HOUR 16.8	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X6	ORIG E70 004	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.8	OBS	00000	17.27											
16.8	OBS	00029	17.17											
16.8	OBS	00053	17.08											
16.8	OBS	00081	17.03											
16.8	OBS	00105	17.01											
16.8	OBS	00158	16.83											
16.8	OBS	00210	16.59											
16.8	OBS	00316	15.65											
16.8	OBS	00421	13.87											
16.8	OBS	00527	12.20											
16.8	OBS	T00632	09.80											
16.8	OBS	T00847	05.93											
16.8	OBS	01058	04.86											

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TABLE XLIX.—Continued

REFID 31 1979 YEAR 1972 BOTDP 04246 AIR TEMP 16.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 04 SHIP CM WET BULB 15.3 22 4 3 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 04 DATA USE 1 BAROMETR 1017.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 51 W HOUR 20.4 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 ORIG E70 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.4	OBS	T01825	03.85											
20.4	OBS	T02312	03.47											
20.4	OBS	02797	03.07											
20.4	OBS	03289	02.50											
20.4	OBS	T03779	02.30											

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REFID 31 1979 YEAR 1972 BOTDP 04206 AIR TEMP 18.5 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 04 SHIP CM WET BULB 14.0 30 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 18.9 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 ORIG E70 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.9	OBS	00000	17.45											
18.9	OBS	00034	17.19											
18.9	OBS	00049	17.17											
18.9	OBS	00073	17.14											
18.9	OBS	00098	17.12											
18.9	OBS	00147	17.10											
18.9	OBS	T00201	17.10											
18.9	OBS	00299	16.38											
18.9	OBS	T00398	14.95											
18.9	OBS	00501	13.22											
18.9	OBS	00599	11.63											
18.9	OBS	00797	07.02											
18.9	OBS	00999	05.64											
18.9	OBS	T01502	04.16											

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REFID 31 1979 YEAR 1972 BOTDP 04368 AIR TEMP 18.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 04 SHIP CM WET BULB 14.5 20 1 2 WIND-SPD 03 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 06 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53 W HOUR 17.8 AREA 05 CLOUD T/A 0/5 CL/TR /09 WEATHER X1 ORIG E70 007 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	17.67											
17.8	OBS	00024	17.23											
17.8	OBS	00048	17.25											
17.8	OBS	00072	17.24											
17.8	OBS	00096	17.18											
17.8	OBS	00144	17.11											
17.8	OBS	00196	17.12											
17.8	OBS	00291	16.42											
17.8	OBS	00385	15.21											
17.8	OBS	00484	13.62											
17.8	OBS	T00577	11.63											
17.8	OBS	T00762	07.96											
17.8	OBS	00949	05.27											
17.8	OBS	T01410	04.20											

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REFID 31 1979 YEAR 1972 BOTDP 04297 AIR TEMP 18.5 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 04 SHIP CM WET BULB 17.0 30 4 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 07 DATA USE 1 BAROMETR 1026.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E70 008 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	17.47											
12.2	OBS	00026	17.26											
12.2	OBS	00047	17.24											
12.2	OBS	00073	17.19											
12.2	OBS	00094	17.23											
12.2	OBS	00141	17.16											
12.2	OBS	T00189	17.13											
12.2	OBS	00283	16.53											
12.2	OBS	T00378	15.37											
12.2	OBS	00473	13.48											
12.2	OBS	T00568	12.03											
12.2	OBS	00951	05.22											
12.2	OBS	T01425	04.22											

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TABLE XLIX.—Continued

REFID 31 1979 YEAR 1972 BOTDP 04069 AIR TEMP 19.3 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 04 SHIP CM WET BULB 18.0 21 6 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 09 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 21.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X1 ORIG E70 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.5	OBS	00000	17.85											
21.5	OBS	00027	17.71											
21.5	OBS	00049	17.49											
21.5	OBS	00076	17.26											
21.5	OBS	00098	17.27											
21.5	OBS	00147	17.22											
21.5	OBS	00197	17.01											
21.5	OBS	00294	16.48											
21.5	OBS	00391	14.84											
21.5	OBS	00487	13.50											
21.5	OBS	T00582	12.00											
21.5	OBS	T00775	07.94											
21.5	OBS	00960	05.38											
21.5	OBS	T01416	04.16											

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REFID 31 1979 YEAR 1972 BOTDP 04389 AIR TEMP 20.5 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 04 SHIP CM WET BULB 18.6 19 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 10 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 13.4 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER X6 ORIG E70 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	17.87											
13.4	OBS	00027	17.73											
13.4	OBS	00050	17.44											
13.4	OBS	00078	17.25											
13.4	OBS	00101	17.26											
13.4	OBS	00152	17.19											
13.4	OBS	00203	17.01											
13.4	OBS	00304	16.48											
13.4	OBS	00404	14.58											
13.4	OBS	00502	13.50											
13.4	OBS	T00598	11.93											
13.4	OBS	00791	08.34											
13.4	OBS	T00978	05.24											

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REFID 31 1979 YEAR 1972 BOTDP 04090 AIR TEMP 18.2 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 04 SHIP CM WET BULB 16.2 26 4 2 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 11 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 43 W HOUR 14.9 AREA 05 CLOUD T/A 4/3 CL/TR /11 WEATHER X1 ORIG E70 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.9	OBS	00000	17.86											
14.9	OBS	00025	17.78											
14.9	OBS	00050	17.60											
14.9	OBS	00075	17.36											
14.9	OBS	00100	17.31											
14.9	OBS	00150	17.28											
14.9	OBS	T00205	16.95											
14.9	OBS	00306	16.55											
14.9	OBS	T00407	15.05											
14.9	OBS	00512	13.44											
14.9	OBS	00612	12.17											
14.9	OBS	T00814	07.49											
17.3	OBS	T02027	03.73											
17.3	OBS	02536	03.29											
17.3	OBS	T03040	02.83											
17.3	OBS	T03550	02.37											
17.3	OBS	T04054	02.25											

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REFID 31 1979 YEAR 1972 BOTDP 04312 AIR TEMP 18.8 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 04 SHIP CM WET BULB 15.5 12 1 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 12 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 12.5 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E70 012 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P.	NO2	NO3	SIO3	PH
12.5	OBS	00000	17.43											
12.5	OBS	00023	17.79											
12.5	OBS	00046	17.47											
12.5	OBS	00069	17.36											
12.5	OBS	00093	17.48											
12.5	OBS	00139	17.31											
12.5	OBS	00191	17.28											
12.5	OBS	00284	16.85											
12.5	OBS	T00372	15.89											
12.5	OBS	00476	14.14											
12.5	OBS	00570	12.72											
12.5	OBS	T00759	08.73											
12.5	OBS	00955	05.50											
12.5	OBS	T01452	04.26											

TABLE XLIX.—Continued

REFID 31 1979 YEAR 1972 BOTDP 04124 AIR TEMP 17.6 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 04 SHIP CM WET BULB 15.1 26 4 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 13 DATA USE 1 BAROMETR 1016.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53 W HOUR 11.9 AREA 05 CLOUD T/A 6/7 CL/TR /11 WEATHER X1 ORIG E70 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.16											
11.9	OBS	00018	18.11											
11.9	OBS	00034	17.96											
11.9	OBS	00053	17.79											
11.9	OBS	00070	17.65											
11.9	OBS	00105	17.51											
11.9	OBS	T00144	17.88											
11.9	OBS	00220	17.09											
11.9	OBS	00302	16.04											
11.9	OBS	00388	14.34											
11.9	OBS	00476	12.88											
11.9	OBS	00665	08.62											
11.9	OBS	T00857	06.57											
11.9	OBS	T01357	04.33											

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REFID 31 1979 YEAR 1972 BOTDP 04114 AIR TEMP 16.6 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 04 SHIP CM WET BULB 12.8 28 5 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 14 DATA USE 1 BAROMETR 1019.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.1 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E70 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	17.77											
12.1	OBS	00023	18.02											
12.1	OBS	00046	17.57											
12.1	OBS	00069	17.46											
12.1	OBS	00093	17.38											
12.1	OBS	00138	17.33											
12.1	OBS	T00189	17.34											
12.1	OBS	00279	16.77											
12.1	OBS	T00368	15.63											
12.1	OBS	00551	12.44											
12.1	OBS	T00729	08.64											
12.1	OBS	T00899	05.85											
12.1	OBS	T01367	04.35											

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REFID 31 1979 YEAR 1972 BOTDP 04206 AIR TEMP 15.5 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 04 SHIP CM WET BULB 11.0 30 6 3 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 06 N DAY 16 DATA USE 1 BAROMETR 1010.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 13.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E70 015 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	17.97											
13.5	OBS	00023	17.96											
13.5	OBS	00047	17.95											
13.5	OBS	00070	17.97											
13.5	OBS	00093	17.83											
13.5	OBS	00140	17.38											
13.5	OBS	T00190	17.33											
13.5	OBS	00372	16.44											
13.5	OBS	00466	15.21											
13.5	OBS	00556	13.17											
13.5	OBS	T00738	08.35											
13.5	OBS	00926	05.78											
13.5	OBS	T01406	04.26											

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REFID 31 1979 YEAR 1972 BOTDP 03867 AIR TEMP 18.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 04 SHIP CM WET BULB 15.6 27 5 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 17 DATA USE 1 BAROMETR 1008.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 44 W HOUR 20.8 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X4 ORIG E70 016 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.8	OBS	00000	18.47											
20.8	OBS	00027	18.31											
20.8	OBS	00051	18.16											
20.8	OBS	00078	18.10											
20.8	OBS	00101	18.07											
20.8	OBS	00151	17.67											
20.8	OBS	T00202	17.23											
20.8	OBS	00302	16.86											
20.8	OBS	00402	15.92											
20.8	OBS	00507	14.32											
20.8	OBS	00530	13.97											
20.8	OBS	T00809	08.61											
20.8	OBS	01015	05.78											
20.8	OBS	T01582	04.15											

TABLE L.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station ECHO, 20 April 1972 - 17 May 1972, prepared from NODC listing No. 31 - 8317.

REFID 31 8317	YEAR 1972	BOTDP 04572	AIR TEMP 16.2	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 04	SHIP DG	WET BULB 12.2	34 3 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 23	DATA USE 1	BAROMETR 1024.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 43
LONG 048 03 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E71 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	17.57	36.39	26.46		1516.9							
	OBS	00010	17.57	36.39	26.46		1517.1							
	OBS	00020	17.57	36.39	26.46		1517.2							
	OBS	00030	17.56	36.39	26.46		1517.4							
	OBS	00050	17.57	36.39	26.46		1517.7							
	OBS	00075	17.57	36.39	26.46		1518.1							
	OBS	00100	17.56	36.39	26.46		1518.5							
	OBS	00125	17.55	36.38	26.46		1518.9							
	OBS	00150	17.54	36.38	26.46		1519.3							
	OBS	00175	17.53	36.38	26.46		1519.6							
	OBS	00190	17.22	36.37	26.53		1519.0							
	OBS	00200	17.23	36.37	26.53		1519.2							
	OBS	00215	17.23	36.38	26.53		1519.4							
	OBS	00250	16.88	36.32	26.57		1518.9							
	OBS	00300	16.45	36.24	26.61		1518.3							
	OBS	00400	14.94	35.97	26.75		1515.0							
	OBS	00500	13.05	35.64	26.90		1510.0							
	OBS	00600	11.10	35.42	27.10		1504.7							
	OBS	00700	08.94	35.17	27.28		1498.2							
	OBS	00745	08.43	35.13	27.33		1497.0							
	OBS	00755	08.06	35.11	27.37		1495.7							
	OBS	00800	07.22	35.09	27.48		1493.2							
	OBS	00830	06.83	35.11	27.55		1492.2							
	OBS	00850	06.94	35.13	27.55		1493.0							
	OBS	00861	06.76	35.11	27.56		1492.4							
	OBS	00900	06.53	35.11	27.59		1492.2							
	OBS	01000	05.35	35.02	27.67		1489.0							
	OBS	01030	05.22	34.99	27.66		1488.9							
	OBS	01050	04.77	34.96	27.69		1487.4							
	OBS	01100	04.69	34.98	27.72		1487.9							
	OBS	01120	04.68	34.98	27.72		1488.2							
	OBS	01130	04.81	35.01	27.73		1488.9							
	OBS	01140	04.72	35.00	27.73		1488.7							
	OBS	01150	04.82	35.04	27.75		1489.3							
	OBS	01165	04.63	35.01	27.75		1488.8							
	OBS	01200	04.67	35.02	27.75		1489.5							
	OBS	01300	04.50	35.00	27.75		1490.5							
	OBS	01325	04.42	35.00	27.76		1490.6							
	OBS	01365	04.41	35.00	27.76		1491.2							
	OBS	01400	04.30	34.99	27.77		1491.3							
	OBS	01442	04.20	34.98	27.77		1491.6							
	OBS	01500	04.16	34.99	27.78		1492.4							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 04663 AIR TEMP 16.8 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206
CONSEC 0002 MONTH 04 SHIP DG WET BULB 11.0 23 3 4 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1027.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 54 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 002 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	17.83	36.40	26.40		1517.7							
	OBS	00010	17.82	36.40	26.41		1517.8							
	OBS	00020	17.83	36.40	26.40		1518.0							
	OBS	00030	17.83	36.41	26.41		1518.2							
	OBS	00040	17.79	36.40	26.41		1518.2							
	OBS	00050	17.62	36.38	26.44		1517.9							
	OBS	00075	17.57	36.38	26.45		1518.1							
	OBS	00100	17.57	36.38	26.45		1518.5							
	OBS	00125	17.57	36.38	26.45		1518.9							
	OBS	00150	17.37	36.34	26.47		1518.7							
	OBS	00167	17.47	36.41	26.50		1519.4							
	OBS	00200	17.33	36.39	26.52		1519.5							
	OBS	00250	16.91	36.31	26.56		1519.0							
	OBS	00266	16.93	36.34	26.58		1519.3							
	OBS	00300	16.55	36.23	26.58		1518.6							
	OBS	00370	15.50	36.04	26.68		1516.3							
	OBS	00400	14.73	35.92	26.76		1514.2							
	OBS	00480	13.60	35.72	26.84		1511.6							
	OBS	00500	13.01	35.64	26.90		1509.9							
	OBS	00511	12.63	35.60	26.95		1508.8							
	OBS	00540	12.41	35.58	26.98		1508.5							
	OBS	00600	11.06	35.39	27.09		1504.5							
	OBS	00700	09.19	35.20	27.26		1499.2							
	OBS	00800	07.76	35.13	27.43		1495.3							
	OBS	00900	06.66	35.11	27.57		1492.7							
	OBS	00985	05.34	34.98	27.64		1488.6							
	OBS	01000	05.26	34.97	27.64		1488.6							
	OBS	01014	05.15	34.97	27.66		1488.3							
	OBS	01056	05.10	34.97	27.66		1488.8							
	OBS	01075	04.93	34.99	27.70		1488.5							
	OBS	01095	05.03	35.00	27.69		1489.2							
	OBS	01100	05.00	35.00	27.70		1489.2							
	OBS	01110	04.71	34.97	27.71		1488.1							
	OBS	01159	04.70	34.98	27.72		1488.9							
	OBS	01162	04.78	34.99	27.71		1489.3							
	OBS	01200	04.59	34.97	27.72		1489.1							
	OBS	01300	04.47	34.98	27.74		1490.3							
	OBS	01341	04.36	34.98	27.75		1490.6							
	OBS	01400	04.36	35.00	27.77		1491.6							
	OBS	01480	04.24	34.99	27.77		1492.4							
	OBS	01500	04.25	35.00	27.78		1492.8							

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REFID 31 8317 YEAR 1972 BOTDP 04572 AIR TEMP 16.2 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206
CONSEC 0003 MONTH 04 SHIP DG WET BULB 11.6 29 4 4 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 36 50 N DAY 23 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 12 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 003 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	17.85	36.36	26.37		1517.7							
	OBS	00010	17.59	36.37	26.44		1517.1							
	OBS	00020	17.58	36.37	26.44		1517.2							
	OBS	00030	17.58	36.37	26.44		1517.4							
	OBS	00050	17.58	36.37	26.44		1517.7							
	OBS	00075	17.58	36.37	26.44		1518.1							
	OBS	00100	17.57	36.37	26.44		1518.5							
	OBS	00125	17.56	36.37	26.45		1518.9							
	OBS	00150	17.46	36.35	26.46		1519.0							
	OBS	00174	17.42	36.38	26.49		1519.3							
	OBS	00195	17.25	36.37	26.52		1519.1							
	OBS	00200	17.22	36.35	26.51		1519.1							
	OBS	00211	17.03	36.31	26.53		1518.7							
	OBS	00219	16.90	36.31	26.56		1518.4							
	OBS	00240	16.87	36.30	26.56		1518.7							
	OBS	00250	16.76	36.26	26.56		1518.5							
	OBS	00300	16.30	36.20	26.62		1517.8							
	OBS	00354	15.65	36.08	26.68		1516.6							
	OBS	00400	14.63	35.88	26.75		1513.9							
	OBS	00500	13.38	35.66	26.84		1511.2							
	OBS	00600	11.13	35.42	27.10		1504.8							
	OBS	00620	10.43	35.28	27.11		1502.5							
	OBS	00635	10.22	35.30	27.17		1502.0							
	OBS	00700	09.11	35.18	27.26		1498.8							
	OBS	00780	07.63	35.10	27.43		1494.5							
	OBS	00800	07.58	35.13	27.46		1494.6							
	OBS	00834	06.89	35.09	27.53		1492.5							
	OBS	00845	06.93	35.12	27.54		1492.8							
	OBS	00900	06.42	35.10	27.60		1491.7							
	OBS	00940	05.87	35.06	27.64		1490.1							
	OBS	00964	05.83	35.05	27.63		1490.4							
	OBS	01000	05.35	35.01	27.66		1489.0							
	OBS	01010	05.30	35.00	27.66		1488.9							
	OBS	01030	04.87	34.95	27.67		1487.4							
	OBS	01089	04.83	34.98	27.70		1488.3							
	OBS	01100	04.96	35.01	27.71		1489.0							
	OBS	01115	04.80	34.99	27.71		1488.6							
	OBS	01140	04.72	34.98	27.71		1488.7							
	OBS	01200	04.58	34.98	27.73		1489.1							
	OBS	01300	04.34	34.97	27.75		1489.8							
	OBS	01400	04.30	34.98	27.76		1491.3							
	OBS	01440	04.25	34.99	27.77		1491.8							
	OBS	01480	04.33	35.01	27.78		1492.8							
	OBS	01500	04.24	34.99	27.77		1492.7							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 04663 AIR TEMP 18.4 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 04 SHIP DG WET BULB 13.2 28 2 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 34 53 N DAY 24 DATA USE 1 BAROMETR 1027.2 SEA WIND-FOR DURATION 00.9 2 SQUARE 48
LONG 048 07 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	17.98	36.39	26.36		1518.1							
	OBS	00010	17.82	36.39	26.40		1517.8							
	OBS	00020	17.79	36.39	26.41		1517.9							
	OBS	00030	17.76	36.39	26.41		1518.0							
	OBS	00050	17.70	36.39	26.43		1518.1							
	OBS	00075	17.69	36.39	26.43		1518.5							
	OBS	00100	17.67	36.39	26.44		1518.8							
	OBS	00125	17.59	36.37	26.44		1519.0							
	OBS	00150	17.58	36.40	26.46		1519.4							
	OBS	00200	17.08	36.30	26.51		1518.6							
	OBS	00225	17.06	36.33	26.54		1519.0							
	OBS	00250	16.88	36.29	26.55		1518.8							
	OBS	00300	16.42	36.21	26.60		1518.2							
	OBS	00400	14.85	35.92	26.73		1514.6							
	OBS	00500	13.13	35.67	26.90		1510.3							
	OBS	00600	11.53	35.45	27.05		1506.3							
	OBS	00660	10.03	35.28	27.18		1501.7							
	OBS	00700	09.37	35.19	27.23		1499.8							
	OBS	00800	07.38	35.13	27.49		1493.9							
	OBS	00900	06.40	35.06	27.57		1491.6							
	OBS	00970	05.48	34.97	27.62		1488.9							
	OBS	01000	05.21	34.97	27.65		1488.3							
	OBS	01040	04.92	34.97	27.68		1487.8							
	OBS	01075	04.92	34.98	27.69		1488.4							
	OBS	01100	04.74	34.96	27.69		1488.1							
	OBS	01140	04.74	34.98	27.71		1488.8							
	OBS	01170	04.97	35.03	27.72		1490.3							
	OBS	01190	04.77	35.00	27.72		1489.8							
	OBS	01200	04.77	35.00	27.72		1489.9							
	OBS	01240	04.75	35.00	27.73		1490.5							
	OBS	01265	04.63	34.99	27.73		1490.4							
	OBS	01300	04.62	34.99	27.73		1491.0							
	OBS	01350	04.52	34.99	27.74		1491.4							
	OBS	01400	04.51	35.00	27.75		1492.2							
	OBS	01500	04.28	34.98	27.76		1492.9							

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REFID 31 8317 YEAR 1972 BOTDP 05302 AIR TEMP 18.2 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0005 MONTH 04 SHIP DG WET BULB 13.0 49 X X WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 33 57 N DAY 24 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 00.2 2 SQUARE 28
LONG 048 03 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E71 005 1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	18.48	36.44	26.27		1519.6							
	OBS	00010	18.28	36.42	26.31		1519.2							
	OBS	00020	18.23	36.42	26.32		1519.2							
	OBS	00030	18.22	36.43	26.33		1519.3							
	OBS	00050	18.17	36.43	26.34		1519.5							
	OBS	00065	18.17	36.43	26.34		1519.8							
	OBS	00075	18.06	36.42	26.36		1519.6							
	OBS	00100	17.85	36.39	26.39		1519.4							
	OBS	00125	17.70	36.39	26.43		1519.3							
	OBS	00150	17.53	36.35	26.44		1519.2							
	OBS	00200	17.36	36.35	26.48		1519.5							
	OBS	00250	17.06	36.31	26.52		1519.4							
	OBS	00300	16.78	36.29	26.57		1519.4							
	OBS	00365	16.31	36.18	26.60		1518.9							
	OBS	00400	15.57	36.06	26.68		1517.0							
	OBS	00500	14.02	35.80	26.82		1513.4							
	OBS	00600	11.99	35.48	26.98		1507.9							
	OBS	00700	09.76	35.21	27.18		1501.3							
	OBS	00795	07.93	35.07	27.36		1495.8							
	OBS	00800	07.87	35.11	27.40		1495.7							
	OBS	00860	06.91	35.10	27.53		1493.0							
	OBS	00900	06.66	35.08	27.55		1492.6							
	OBS	01000	06.05	35.08	27.63		1491.9							
	OBS	01060	05.74	35.08	27.67		1491.6							
	OBS	01085	05.36	35.03	27.68		1490.5							
	OBS	01100	05.58	35.10	27.71		1491.7							
	OBS	01115	05.33	35.05	27.70		1490.9							
	OBS	01125	05.40	35.08	27.71		1491.4							
	OBS	01140	05.30	35.05	27.70		1491.2							
	OBS	01150	05.43	35.10	27.72		1491.9							
	OBS	01190	05.25	35.08	27.73		1491.8							
	OBS	01200	04.97	35.04	27.73		1490.8							
	OBS	01225	05.08	35.07	27.74		1491.7							
	OBS	01235	05.01	35.05	27.73		1491.6							
	OBS	01250	05.06	35.07	27.74		1492.0							
	OBS	01300	04.79	35.04	27.75		1491.7							
	OBS	01310	04.96	35.07	27.76		1492.6							
	OBS	01375	04.93	35.08	27.77		1493.6							
	OBS	01392	04.64	35.03	27.76		1492.6							
	OBS	01400	04.76	35.06	27.77		1493.3							
	OBS	01435	04.45	35.01	27.77		1492.6							
	OBS	01450	04.51	35.02	27.77		1493.1							
	OBS	01465	04.28	34.98	27.76		1492.3							
	OBS	01490	04.46	35.02	27.77		1493.5							
	OBS	01500	04.41	35.01	27.77		1493.5							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 04754 AIR TEMP 18.6 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206
CONSEC 0006 MONTH 04 SHIP DG WET BULB 15.5 29 3 3 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 34 00 N DAY 25 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 12 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	18.73	36.51	26.26		1520.4							
	OBS	00010	18.50	36.48	26.30		1519.9							
	OBS	00020	18.45	36.47	26.30		1519.7							
	OBS	00030	18.35	36.47	26.33		1519.8							
	OBS	00050	18.17	36.45	26.36		1519.5							
	OBS	00075	18.02	36.42	26.37		1519.5							
	OBS	00100	17.91	36.42	26.40		1519.6							
	OBS	00125	17.73	36.39	26.42		1519.4							
	OBS	00150	17.63	36.38	26.44		1519.5							
	OBS	00170	17.61	36.38	26.44		1519.8							
	OBS	00180	17.46	36.32	26.43		1519.5							
	OBS	00190	17.36	36.36	26.49		1519.4							
	OBS	00200	17.36	36.35	26.48		1519.5							
	OBS	00215	17.23	36.33	26.50		1519.4							
	OBS	00230	17.21	36.33	26.50		1519.5							
	OBS	00250	17.19	36.37	26.54		1519.9							
	OBS	00300	16.84	36.31	26.57		1519.6							
	OBS	00320	16.87	36.33	26.58		1520.0							
	OBS	00400	15.53	36.07	26.69		1516.9							
	OBS	00500	14.03	35.79	26.81		1513.5							
	OBS	00600	12.12	35.52	26.99		1508.4							
	OBS	00700	10.35	35.31	27.15		1503.5							
	OBS	00800	08.06	35.14	27.39		1496.5							
	OBS	00900	06.82	35.12	27.56		1493.3							
	OBS	00945	06.38	35.10	27.60		1492.3							
	OBS	01000	05.62	35.01	27.63		1490.1							
	OBS	01015	05.47	35.01	27.65		1489.7							
	OBS	01030	05.64	35.07	27.67		1490.7							
	OBS	01050	05.53	35.05	27.67		1490.6							
	OBS	01070	05.02	34.97	27.67		1488.7							
	OBS	01090	04.94	34.97	27.68		1488.7							
	OBS	01100	05.28	35.06	27.71		1490.4							
	OBS	01200	04.86	35.02	27.73		1490.3							
	OBS	01300	04.68	35.01	27.74		1491.2							
	OBS	01400	04.54	35.01	27.76		1492.3							
	OBS	01470	04.27	34.98	27.76		1492.4							
	OBS	01490	04.27	34.99	27.77		1492.7							

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REFID 31 8317 YEAR 1972 BOTDP 04114 AIR TEMP 19.2 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0007 MONTH 04 SHIP DG WET BULB 16.0 49 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 26 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 00 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	17.94	36.35	26.34		1517.9							
	OBS	00010	17.52	36.36	26.45		1516.9							
	OBS	00020	17.51	36.36	26.45		1517.0							
	OBS	00030	17.50	36.36	26.45		1517.2							
	OBS	00050	17.50	36.36	26.45		1517.5							
	OBS	00075	17.49	36.36	26.46		1517.9							
	OBS	00100	17.47	36.36	26.46		1518.2							
	OBS	00125	17.46	36.36	26.46		1518.6							
	OBS	00150	17.47	36.36	26.46		1519.0							
	OBS	00167	17.46	36.36	26.46		1519.3							
	OBS	00200	17.17	36.30	26.49		1518.9							
	OBS	00250	16.89	36.27	26.53		1518.9							
	OBS	00300	16.47	36.22	26.59		1518.4							
	OBS	00320	16.28	36.20	26.62		1518.1							
	OBS	00380	16.16	36.21	26.66		1518.7							
	OBS	00400	15.98	36.17	26.67		1518.4							
	OBS	00500	14.84	35.97	26.77		1516.3							
	OBS	00545	13.93	35.78	26.82		1513.9							
	OBS	00560	13.80	35.81	26.87		1513.7							
	OBS	00600	13.35	35.74	26.91		1512.8							
	OBS	00700	10.34	35.31	27.15		1503.5							
	OBS	00760	08.99	35.17	27.27		1499.4							
	OBS	00770	08.79	35.15	27.29		1498.8							
	OBS	00775	08.72	35.19	27.33		1498.6							
	OBS	00800	08.49	35.19	27.37		1498.2							
	OBS	00831	07.55	35.12	27.45		1495.0							
	OBS	00850	07.48	35.10	27.45		1495.0							
	OBS	00858	06.91	35.04	27.48		1492.9							
	OBS	00882	06.86	35.10	27.54		1493.2							
	OBS	00890	06.73	35.08	27.54		1492.8							
	OBS	00900	06.77	35.12	27.57		1493.1							
	OBS	01000	06.07	35.08	27.63		1492.0							
	OBS	01012	06.15	35.13	27.66		1492.6							
	OBS	01100	05.25	35.00	27.67		1490.2							
	OBS	01150	04.94	34.99	27.70		1489.8							
	OBS	01200	04.74	34.99	27.72		1489.8							
	OBS	01300	04.54	34.98	27.73		1490.6							
	OBS	01400	04.41	34.98	27.75		1491.8							
	OBS	01500	04.24	34.97	27.76		1492.7							

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TABLE L.—Continued

REFID 31 8317	YEAR 1972	BOTDP 04205	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 04	SHIP DG	WET BULB 16.0	49 X X	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 27	DATA USE 1	BAROMETR 1030.6	SEA	WIND-FDR	DURATION 00.3	2 SQUARE 46
LONG 047 57 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER XJ	ORIG E71 008	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	18.24	36.38	26.29		1518.8							
	OBS	00010	17.73	36.37	26.40		1517.5							
	OBS	00020	17.62	36.37	26.43		1517.4							
	OBS	00030	17.56	36.36	26.44		1517.3							
	OBS	00050	17.54	36.37	26.45		1517.6							
	OBS	00075	17.54	36.37	26.45		1518.0							
	OBS	00100	17.49	36.36	26.46		1518.3							
	OBS	00125	17.49	36.36	26.46		1518.7							
	OBS	00150	17.49	36.36	26.46		1519.1							
	OBS	00180	17.49	36.36	26.46		1519.6							
	OBS	00200	17.31	36.34	26.48		1519.4							
	OBS	00210	17.29	36.38	26.52		1519.5							
	OBS	00250	17.21	36.36	26.52		1519.9							
	OBS	00300	16.97	36.33	26.56		1520.0							
	OBS	00330	16.34	36.18	26.59		1516.4							
	OBS	00340	16.36	36.21	26.61		1518.7							
	OBS	00400	15.63	36.08	26.68		1517.3							
	OBS	00460	14.76	35.95	26.77		1515.3							
	OBS	00470	14.76	35.96	26.78		1515.5							
	OBS	00475	14.85	36.00	26.79		1515.9							
	OBS	00490	14.84	36.00	26.80		1516.2							
	OBS	00500	14.71	35.97	26.80		1515.9							
	OBS	00600	12.57	35.60	26.96		1510.0							
	OBS	00615	12.15	35.54	27.00		1508.8							
	OBS	00635	12.03	35.55	27.03		1508.7							
	OBS	00650	11.53	35.47	27.06		1507.1							
	OBS	00700	10.65	35.36	27.14		1504.7							
	OBS	00725	10.15	35.29	27.17		1503.2							
	OBS	00750	09.48	35.24	27.25		1501.1							
	OBS	00790	08.50	35.16	27.34		1498.0							
	OBS	00800	08.34	35.18	27.38		1497.6							
	OBS	00830	08.14	35.22	27.45		1497.4							
	OBS	00900	07.10	35.14	27.54		1494.5							
	OBS	00955	06.27	35.06	27.59		1492.0							
	OBS	00975	06.45	35.15	27.63		1493.2							
	OBS	01000	06.19	35.13	27.65		1492.5							

REFID 31 8317	YEAR 1972	BOTDP 04115	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 04	SHIP DG	WET BULB 16.0	27 2 3	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 27	DATA USE 1	BAROMETR 1029.6	SEA	WIND-FDR	DURATION 00.5	2 SQUARE 46
LONG 047 54 W	HOUR 11.7	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	ORIG E71 009	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.7	OBS	00000	18.21	36.36	26.28		1518.7							
	OBS	00010	17.56	36.38	26.45		1517.0							
	OBS	00020	17.55	36.38	26.46		1517.2							
	OBS	00030	17.55	36.38	26.46		1517.3							
	OBS	00050	17.55	36.39	26.46		1517.7							
	OBS	00075	17.55	36.39	26.46		1518.1							
	OBS	00100	17.55	36.39	26.46		1518.5							
	OBS	00125	17.55	36.39	26.46		1518.9							
	OBS	00150	17.53	36.39	26.47		1519.3							
	OBS	00200	17.32	36.37	26.51		1519.4							
	OBS	00215	17.17	36.34	26.52		1519.2							
	OBS	00250	17.15	36.39	26.56		1519.8							
	OBS	00300	16.71	36.28	26.58		1519.1							
	OBS	00340	16.41	36.21	26.60		1518.8							
	OBS	00400	15.53	36.07	26.69		1516.9							
	OBS	00500	14.69	35.97	26.81		1515.8							
	OBS	00565	13.40	35.70	26.87		1512.3							
	OBS	00575	13.34	35.74	26.91		1512.4							
	OBS	00600	12.84	35.64	26.94		1511.0							
	OBS	00700	09.78	35.25	27.20		1501.4							
	OBS	00750	08.78	35.17	27.31		1498.4							
	OBS	00760	08.73	35.20	27.34		1498.4							
	OBS	00800	08.31	35.17	27.38		1497.5							
	OBS	00865	06.74	35.05	27.51		1492.3							
	OBS	00875	06.79	35.10	27.55		1492.8							
	OBS	00880	06.64	35.10	27.57		1492.3							
	OBS	00900	06.66	35.11	27.57		1492.7							
	OBS	00935	06.55	35.12	27.60		1492.8							
	OBS	00945	06.33	35.07	27.59		1492.1							
	OBS	01000	06.14	35.11	27.64		1492.3							
	OBS	01060	05.68	35.07	27.67		1491.4							
	OBS	01075	05.38	35.02	27.67		1490.4							
	OBS	01100	05.20	35.01	27.68		1490.0							
	OBS	01200	04.76	34.99	27.72		1489.9							
	OBS	01290	04.56	34.99	27.74		1490.5							
	OBS	01300	04.61	35.00	27.74		1490.9							
	OBS	01330	04.46	34.99	27.75		1490.8							
	OBS	01400	04.36	34.97	27.75		1491.5							
	OBS	01490	04.25	34.97	27.76		1492.6							

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TABLE L.—Continued

EFID 31 8317 YEAR 1972 BOTDP 03362 AIR TEMP 18.4 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
ONSEC 0010 MONTH 04 SHIP DG WET BULB 16.0 06 1 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4
AT 35 03 N DAY 27 DATA USE 1 BAROMETR 1030.2 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
ONG 048 10 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E71 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
23.5	OBS	00000	18.66	36.40	26.14		1520.0							
	OBS	00010	18.27	36.41	26.30		1519.1							
	OBS	00020	18.19	36.42	26.33		1519.1							
	OBS	00030	18.16	36.44	26.35		1519.2							
	OBS	00050	18.05	36.44	26.38		1519.2							
	OBS	00075	17.88	36.40	26.39		1519.1							
	OBS	00100	17.68	36.38	26.42		1518.9							
	OBS	00125	17.51	36.37	26.46		1518.8							
	OBS	00150	17.48	36.39	26.48		1519.1							
	OBS	00155	17.54	36.42	26.49		1519.4							
	OBS	00190	17.29	36.37	26.51		1519.2							
	OBS	00200	17.35	36.40	26.52		1519.6							
	OBS	00250	17.12	36.37	26.55		1519.7							
	OBS	00300	16.82	36.31	26.58		1519.5							
	OBS	00400	15.56	36.04	26.67		1517.0							
	OBS	00500	14.15	35.84	26.82		1513.9							
	OBS	00600	12.58	35.61	26.97		1510.1							
	OBS	00700	10.51	35.33	27.14		1504.1							
	OBS	00800	08.44	35.16	27.35		1498.0							
	OBS	00900	06.93	35.10	27.53		1493.7							
	OBS	01000	05.79	35.02	27.62		1490.8							
	OBS	01045	05.28	34.98	27.65		1489.4							
	OBS	01100	05.04	34.97	27.67		1489.3							
	OBS	01125	04.70	34.95	27.69		1488.3							
	OBS	01200	04.57	34.96	27.71		1489.0							
	OBS	01285	04.47	34.97	27.73		1490.1							
	OBS	01300	04.59	34.99	27.74		1490.8							
	OBS	01310	04.44	34.97	27.74		1490.4							
	OBS	01400	04.39	34.97	27.74		1491.7							
	OBS	01455	04.35	34.99	27.76		1492.4							
	OBS	01470	04.39	35.00	27.77		1492.9							
	OBS	01500	04.28	34.99	27.77		1492.9							

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EFID 31 8317 YEAR 1972 BOTDP 04572 AIR TEMP 18.8 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
ONSEC 0011 MONTH 04 SHIP DG WET BULB 16.0 13 1 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
AT 35 06 N DAY 28 DATA USE 1 BAROMETR 1027.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
ONG 047 57 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	18.52	36.40	26.23		1519.7							
	OBS	00010	18.17	36.37	26.30		1518.8							
	OBS	00020	17.90	36.37	26.36		1518.2							
	OBS	00030	17.83	36.38	26.39		1518.1							
	OBS	00050	17.66	36.37	26.42		1518.0							
	OBS	00075	17.62	36.41	26.46		1518.3							
	OBS	00100	17.65	36.42	26.46		1518.8							
	OBS	00125	17.66	36.42	26.46		1519.3							
	OBS	00150	17.37	36.34	26.47		1518.7							
	OBS	00200	17.32	36.37	26.51		1519.4							
	OBS	00250	17.30	36.39	26.53		1520.2							
	OBS	00300	16.79	36.29	26.57		1519.4							
	OBS	00400	15.64	36.08	26.68		1517.3							
	OBS	00500	14.09	35.82	26.82		1513.7							
	OBS	00600	11.92	35.51	27.02		1507.7							
	OBS	00700	09.91	35.27	27.20		1501.9							
	OBS	00800	08.05	35.13	27.39		1496.4							
	OBS	00825	07.75	35.08	27.39		1495.6							
	OBS	00900	06.89	35.12	27.45		1493.6							
	OBS	00980	05.45	34.94	27.60		1489.0							
	OBS	01000	05.10	34.96	27.65		1487.9							
	OBS	01010	05.00	34.98	27.68		1487.7							
	OBS	01100	04.78	34.97	27.70		1488.3							
	OBS	01112	04.76	34.96	27.71		1488.4							
	OBS	01125	04.92	35.02	27.72		1489.3							
	OBS	01145	04.87	35.01	27.72		1489.4							
	OBS	01160	04.85	35.01	27.72		1489.6							
	OBS	01180	04.69	34.99	27.72		1489.2							
	OBS	01200	04.75	35.01	27.73		1489.4							
	OBS	01300	04.53	34.99	27.74		1490.6							
	OBS	01400	04.39	35.00	27.77		1491.7							
	OBS	01500	04.18	34.98	27.77		1492.5							

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TABLE L.—Continued

EFID 31 8317 YEAR 1972 BOTDP 04572 AIR TEMP 17.9 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
ONSEC 0012 MONTH 04 SHIP DG WET BULB 14.1 13 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
AT 35 27 N DAY 28 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
ONG 048 24 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.6	OBS	00000	18.63	36.39	26.20		1520.0							
	OBS	00010	18.08	36.40	26.34		1518.6							
	OBS	00020	17.94	36.40	26.38		1518.3							
	OBS	00030	17.84	36.40	26.40		1518.2							
	OBS	00050	17.77	36.38	26.40		1518.3							
	OBS	00075	17.65	36.37	26.42		1518.3							
	OBS	00100	17.64	36.37	26.43		1518.7							
	OBS	00125	17.58	36.36	26.43		1519.0							
	OBS	00150	17.56	36.36	26.44		1519.3							
	OBS	00175	17.28	36.31	26.47		1518.8							
	OBS	00200	17.45	36.39	26.49		1519.8							
	OBS	00250	17.06	36.33	26.54		1519.4							
	OBS	00300	16.69	36.25	26.56		1519.1							
	OBS	00400	15.42	36.04	26.70		1516.5							
	OBS	00500	14.27	35.85	26.80		1514.3							
	OBS	00600	12.73	35.61	26.94		1510.6							
	OBS	00700	10.38	35.29	27.13		1503.6							
	OBS	00800	08.22	35.13	27.36		1497.1							
	OBS	00900	06.83	35.08	27.53		1493.3							
	OBS	01000	05.62	34.96	27.59		1490.0							
	OBS	01040	05.38	34.99	27.64		1489.7							
	OBS	01100	05.13	34.99	27.67		1489.7							
	OBS	01200	04.61	34.96	27.71		1489.2							
	OBS	01215	04.53	34.95	27.71		1489.1							
	OBS	01250	04.53	34.96	27.72		1489.7							
	OBS	01300	04.46	34.96	27.73		1490.3							
	OBS	01400	04.37	34.96	27.74		1491.6							
	OBS	01430	04.29	34.95	27.74		1491.7							
	OBS	01470	04.28	34.95	27.74		1492.4							
	OBS	01490	04.31	34.96	27.74		1492.8							
	OBS	01500	04.26	34.96	27.75		1492.8							

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EFID 31 8317 YEAR 1972 BOTDP 03986 AIR TEMP 18.4 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
ONSEC 0013 MONTH 04 SHIP DG WET BULB 14.6 13 1 2 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4
AT 35 02 N DAY 29 DATA USE 1 BAROMETR 1027.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
ONG 047 56.5W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.5	OBS	00000	18.40	36.42	26.28		1519.3							
	OBS	00010	18.29	36.38	26.27		1519.1							
	OBS	00020	17.89	36.33	26.33		1518.1							
	OBS	00030	17.60	36.37	26.44		1517.5							
	OBS	00050	17.56	36.38	26.45		1517.7							
	OBS	00075	17.55	36.38	26.46		1518.1							
	OBS	00100	17.55	36.38	26.46		1518.5							
	OBS	00125	17.55	36.38	26.46		1518.9							
	OBS	00150	17.54	36.38	26.46		1519.3							
	OBS	00200	17.37	36.37	26.49		1519.6							
	OBS	00250	17.15	36.36	26.54		1519.7							
	OBS	00300	16.86	36.31	26.57		1519.6							
	OBS	00400	15.54	36.07	26.69		1517.0							
	OBS	00450	14.83	35.97	26.77		1515.4							
	OBS	00500	14.56	35.94	26.81		1515.4							
	OBS	00510	14.21	35.86	26.82		1514.3							
	OBS	00525	14.20	35.88	26.84		1514.5							
	OBS	00560	13.37	35.66	26.85		1512.1							
	OBS	00600	12.75	35.66	26.97		1510.7							
	OBS	00700	10.33	35.33	27.17		1503.5							
	OBS	00800	08.53	35.16	27.34		1498.3							
	OBS	00860	07.99	35.21	27.46		1497.3							
	OBS	00900	07.38	35.18	27.53		1495.6							
	OBS	00945	06.56	35.09	27.57		1493.0							
	OBS	01000	06.28	35.14	27.65		1492.9							
	OBS	01050	06.11	35.15	27.68		1493.1							
	OBS	01100	05.62	35.09	27.69		1491.8							
	OBS	01170	05.41	35.06	27.69		1492.1							
	OBS	01200	05.09	35.04	27.72		1491.3							
	OBS	01220	04.81	35.00	27.72		1490.4							
	OBS	01300	04.58	35.00	27.74		1490.8							
	OBS	01340	04.49	34.99	27.75		1491.1							
	OBS	01350	04.40	34.98	27.75		1490.9							
	OBS	01400	04.34	34.99	27.76		1491.5							
	OBS	01500	04.17	34.98	27.77		1492.4							

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TABLE L.—Continued

EFID 31 8317 YEAR 1972 BOTDP 03932 AIR TEMP 17.6 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
ONSEC 0014 MONTH 04 SHIP DG WET BULB 15.2 49 X X WIND-SPD 13 TRACE DIR 0 5 SQUARE 4
AT 35 00 N DAY 29 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
ONG 048 04 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 014 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.5	OBS	00000	18.32	36.40	26.28		1519.1							
	OBS	00010	17.78	36.31	26.35		1517.6							
	OBS	00020	17.66	36.36	26.41		1517.5							
	OBS	00030	17.58	36.36	26.43		1517.4							
	OBS	00050	17.55	36.37	26.45		1517.6							
	OBS	00075	17.54	36.37	26.45		1518.0							
	OBS	00100	17.53	36.37	26.45		1518.4							
	OBS	00125	17.53	36.37	26.45		1518.8							
	OBS	00150	17.52	36.37	26.46		1519.2							
	OBS	00180	17.52	36.37	26.46		1519.7							
	OBS	00200	17.46	36.37	26.47		1519.8							
	OBS	00250	17.17	36.35	26.53		1519.8							
	OBS	00300	16.65	36.23	26.56		1518.9							
	OBS	00350	15.41	36.12	26.76		1515.8							
	OBS	00400	15.17	36.04	26.75		1515.8							
	OBS	00500	14.19	35.86	26.83		1514.1							
	OBS	00525	13.58	35.71	26.84		1512.3							
	OBS	00540	13.24	35.70	26.90		1511.4							
	OBS	00550	13.20	35.72	26.93		1511.5							
	OBS	00560	13.17	35.73	26.94		1511.5							
	OBS	00600	12.54	35.60	26.97		1509.9							
	OBS	00700	10.23	35.32	27.18		1503.1							
	OBS	00800	08.67	35.18	27.33		1498.9							
	OBS	00820	08.43	35.21	27.39		1498.3							
	OBS	00860	07.53	35.10	27.44		1495.4							
	OBS	00900	06.96	35.13	27.55		1493.9							
	OBS	00920	06.53	35.06	27.55		1492.4							
	OBS	01000	06.36	35.16	27.65		1493.2							
	OBS	01100	05.76	35.08	27.67		1492.4							
	OBS	01130	05.48	35.10	27.72		1491.8							
	OBS	01150	04.98	35.01	27.71		1490.0							
	OBS	01200	04.68	35.00	27.73		1489.6							
	OBS	01300	04.46	34.99	27.75		1490.3							
	OBS	01400	04.35	35.00	27.77		1491.5							
	OBS	01500	04.19	34.99	27.78		1492.5							

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EFID 31 8317 YEAR 1972 BOTDP 04755 AIR TEMP 17.5 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
ONSEC 0015 MONTH 04 SHIP DG WET BULB 14.3 08 1 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2
AT 34 58 N DAY 30 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
ONG 048 05 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.5	OBS	00000	19.23	36.46	26.09		1521.7							
	OBS	00010	18.49	36.40	26.24		1519.7							
	OBS	00020	18.19	36.38	26.30		1519.0							
	OBS	00030	17.88	36.39	26.38		1518.3							
	OBS	00050	17.82	36.42	26.42		1518.5							
	OBS	00075	17.59	36.36	26.43		1518.2							
	OBS	00100	17.50	36.36	26.45		1518.3							
	OBS	00125	17.50	36.36	26.45		1518.7							
	OBS	00150	17.50	36.36	26.45		1519.1							
	OBS	00170	17.50	36.36	26.45		1519.5							
	OBS	00200	17.03	36.30	26.52		1518.5							
	OBS	00250	16.69	36.26	26.57		1518.2							
	OBS	00300	16.19	36.16	26.61		1517.4							
	OBS	00400	14.95	35.98	26.76		1515.0							
	OBS	00420	14.74	35.96	26.79		1514.6							
	OBS	00430	14.83	36.01	26.81		1515.1							
	OBS	00500	13.91	35.80	26.84		1513.1							
	OBS	00600	12.33	35.56	26.98		1509.2							
	OBS	00700	10.42	35.32	27.15		1503.8							
	OBS	00800	08.57	35.18	27.35		1498.5							
	OBS	00830	08.04	35.07	27.34		1496.8							
	OBS	00855	07.61	35.15	27.47		1495.7							
	OBS	00880	07.08	35.07	27.48		1494.0							
	OBS	00900	06.94	35.11	27.53		1493.8							
	OBS	00910	06.93	35.11	27.54		1493.9							
	OBS	00950	06.45	35.06	27.56		1492.6							
	OBS	00975	06.19	35.09	27.62		1492.0							
	OBS	00985	06.33	35.14	27.64		1492.8							
	OBS	01000	06.23	35.12	27.64		1492.7							
	OBS	01100	05.49	35.06	27.69		1491.3							
	OBS	01120	04.99	34.99	27.69		1489.5							
	OBS	01200	04.73	34.98	27.71		1489.7							
	OBS	01300	04.50	34.98	27.74		1490.5							
	OBS	01400	04.34	34.97	27.75		1491.5							
	OBS	01500	04.15	34.96	27.76		1492.3							

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TABLE L.—Continued

FID 31 8317 YEAR 1972 BOTDP 04119 AIR TEMP 17.5 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206
INSEC 0016 MONTH 05 SHIP DG WET BULB 15.0 01 2 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
T 34 47 N DAY 02 DATA USE 1 BAROMETR 1026.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
NG 048 03 W HOUR 00.0 AREA C5 CLOUD T/A CL/TR WEATHER X1 ORIG E71 016 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI	PH
00.0	OBS	00000	18.92	36.44	26.16		1520.8							
	OBS	00010	18.85	36.43	26.17		1520.8							
	OBS	00020	18.36	36.40	26.27		1519.5							
	OBS	00030	18.31	36.42	26.30		1519.6							
	OBS	00050	18.10	36.34	26.29		1519.2							
	OBS	00075	17.74	36.35	26.39		1518.6							
	OBS	00100	17.61	36.35	26.42		1518.6							
	OBS	00125	17.50	36.35	26.45		1518.7							
	OBS	00150	17.46	36.34	26.45		1519.0							
	OBS	00160	17.42	36.38	26.49		1519.1							
	OBS	00200	17.31	36.36	26.50		1519.4							
	OBS	00230	17.32	36.39	26.52		1519.9							
	OBS	00250	17.23	36.37	26.53		1520.0							
	OBS	00270	16.95	36.32	26.56		1519.4							
	OBS	00280	16.98	36.32	26.55		1519.7							
	OBS	00300	16.75	36.26	26.56		1519.2							
	OBS	00400	15.66	36.08	26.67		1517.3							
	OBS	00500	14.26	35.85	26.81		1514.3							
	OBS	00600	12.59	35.58	26.94		1510.1							
	OBS	00700	10.29	35.29	27.15		1503.3							
	OBS	00800	08.01	35.09	27.36		1496.2							
	OBS	00900	06.27	35.00	27.54		1491.0							
	OBS	01000	05.17	34.95	27.64		1488.2							
	OBS	01100	04.83	34.96	27.68		1488.4							
	OBS	01150	04.58	34.94	27.70		1488.2							
	OBS	01200	04.50	34.94	27.71		1488.7							
	OBS	01300	04.57	34.98	27.73		1490.7							
	OBS	01400	04.48	34.98	27.74		1492.0							
	OBS	01450	04.31	34.96	27.74		1492.2							
	OBS	01475	04.32	34.99	27.77		1492.7							
	OBS	01490	04.40	34.99	27.76		1493.2							
	OBS	01500	04.30	34.98	27.76		1493.0							

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FID 31 8317 YEAR 1972 BOTDP 04388 AIR TEMP 17.9 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206
INSEC 0017 MONTH 05 SHIP DG WET BULB 14.9 34 1 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
T 34 58 N DAY 02 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 00.7 2 SQUARE 48
NG 048 06 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 017 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.7	OBS	00000	18.60	36.44	26.24		1519.9							
	OBS	00020	17.84	36.40	26.40		1518.0							
	OBS	00030	17.79	36.39	26.41		1518.0							
	OBS	00050	17.56	36.37	26.45		1517.7							
	OBS	00075	17.52	36.37	26.46		1518.0							
	OBS	00100	17.51	36.37	26.46		1518.3							
	OBS	00125	17.50	36.37	26.46		1518.7							
	OBS	00150	17.49	36.37	26.46		1519.1							
	OBS	00180	17.46	36.36	26.46		1519.5							
	OBS	00200	17.31	36.34	26.48		1519.4							
	OBS	00250	16.73	36.26	26.56		1518.4							
	OBS	00300	16.29	36.19	26.61		1517.8							
	OBS	00400	15.16	36.03	26.75		1515.7							
	OBS	00500	13.93	35.79	26.83		1513.1							
	OBS	00600	12.29	35.57	26.99		1509.0							
	OBS	00700	10.06	35.28	27.18		1502.5							
	OBS	00800	07.98	35.14	27.41		1496.2							
	OBS	00820	08.02	35.17	27.42		1496.7							
	OBS	00900	06.84	35.09	27.53		1493.4							
	OBS	00920	06.33	35.05	27.57		1491.6							
	OBS	00980	06.32	35.13	27.63		1492.7							
	OBS	01000	06.07	35.11	27.65		1492.0							
	OBS	01100	05.38	35.07	27.71		1490.8							
	OBS	01140	05.14	35.04	27.71		1490.5							
	OBS	01200	04.69	34.98	27.72		1489.6							
	OBS	01300	04.49	34.97	27.73		1490.4							
	OBS	01320	04.39	34.97	27.74		1490.3							
	OBS	01400	04.35	34.97	27.75		1491.5							
	OBS	01500	04.20	34.97	27.76		1492.6							

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TABLE L.—Continued

FID 31 8317	YEAR 1972	BOTDP 04654	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1206
NSEC 0018	MONTH 05	SHIP DG	WET BULB 15.9	07 1 2	WIND-SPD 11	TRACE DIR D	5 SQUARE 2
T 34 51 N	DAY 02	DATA USE 1	BAROMETR 1027.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
NG 048 16 W	HOUR 23.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E71 018	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	18.68	36.39	26.18		1520.1							
	OBS	00010	18.24	36.41	26.31		1519.0							
	OBS	00020	18.14	36.42	26.34		1518.9							
	OBS	00030	18.12	36.43	26.35		1519.0							
	OBS	00050	17.92	36.38	26.37		1518.7							
	OBS	00075	17.58	36.36	26.43		1518.1							
	OBS	00100	17.50	36.36	26.45		1518.3							
	OBS	00125	17.49	36.36	26.46		1518.7							
	OBS	00150	17.48	36.36	26.46		1519.1							
	OBS	00190	17.41	36.35	26.47		1519.5							
	OBS	00200	17.41	36.38	26.49		1519.7							
	OBS	00230	17.05	36.30	26.52		1519.0							
	OBS	00250	17.07	36.36	26.56		1519.5							
	OBS	00300	16.84	36.31	26.57		1519.6							
	OBS	00400	15.43	36.05	26.70		1516.6							
	OBS	00540	13.33	35.71	26.89		1511.7							
	OBS	00600	12.24	35.56	27.00		1508.8							
	OBS	00700	10.10	35.26	27.16		1502.6							
	OBS	00800	08.38	35.16	27.36		1497.7							
	OBS	00900	06.87	35.09	27.53		1493.5							
	OBS	01000	06.18	35.11	27.64		1492.4							
	OBS	01020	05.98	35.10	27.66		1492.0							
	OBS	01050	05.89	35.10	27.67		1492.1							
	OBS	01100	05.02	34.97	27.67		1489.2							
	OBS	01130	04.83	34.97	27.69		1489.0							
	OBS	01180	04.86	35.00	27.71		1490.0							
	OBS	01190	04.77	34.98	27.71		1489.7							
	OBS	01200	04.86	35.01	27.72		1490.3							
	OBS	01240	04.72	35.00	27.73		1490.4							
	OBS	01300	04.69	35.02	27.75		1491.3							
	OBS	01400	04.43	35.00	27.76		1491.9							
	OBS	01500	04.29	34.99	27.77		1493.0							

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FID 31 8317	YEAR 1972	BOTDP 04114	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
NSEC 0019	MONTH 05	SHIP DG	WET BULB 16.0	08 2 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
T 35 06 N	DAY 03	DATA USE 1	BAROMETR 1031.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
NG 047 58 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E71 019	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	18.69	36.44	26.22		1520.2							
	OBS	00010	18.69	36.44	26.22		1520.4							
	OBS	00020	18.68	36.44	26.22		1520.5							
	OBS	00030	18.39	36.36	26.25		1519.8							
	OBS	00050	18.09	36.39	26.33		1519.2							
	OBS	00075	17.94	36.38	26.36		1519.2							
	OBS	00100	17.69	36.36	26.41		1518.9							
	OBS	00125	17.49	36.36	26.46		1518.7							
	OBS	00150	17.30	36.33	26.48		1518.5							
	OBS	00200	17.05	36.34	26.55		1518.6							
	OBS	00250	16.62	36.25	26.58		1518.0							
	OBS	00300	16.33	36.22	26.63		1517.9							
	OBS	00400	15.18	36.03	26.74		1515.8							
	OBS	00500	14.05	35.84	26.84		1513.6							
	OBS	00600	12.17	35.55	27.00		1508.6							
	OBS	00620	11.51	35.45	27.05		1506.5							
	OBS	00640	11.29	35.42	27.07		1506.0							
	OBS	00700	09.55	35.20	27.20		1500.5							
	OBS	00780	08.00	35.08	27.36		1495.9							
	OBS	00800	07.77	35.12	27.42		1495.4							
	OBS	00820	07.74	35.17	27.47		1495.6							
	OBS	00850	07.49	35.21	27.53		1495.2							
	OBS	00870	07.47	35.21	27.54		1495.5							
	OBS	00900	06.62	35.07	27.55		1492.5							
	OBS	01000	06.11	35.10	27.64		1492.2							
	OBS	01100	05.28	35.05	27.70		1490.4							
	OBS	01200	05.10	35.05	27.72		1491.3							
	OBS	01245	05.04	35.06	27.74		1491.9							
	OBS	01270	04.59	34.99	27.74		1490.3							
	OBS	01300	04.52	34.99	27.74		1490.6							
	OBS	01400	04.40	34.99	27.76		1491.7							
	OBS	01500	04.27	34.98	27.76		1492.9							

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TABLE L.—Continued

EID 31 9317	YEAR 1972	BOTDP 04063	AIR TEMP 17.4	DIP HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1206
YSEC 0020	MONTH 05	SHIP DG	WET BULB 14.6	07 0 2	WIND-SPD 11	TRACE DIR 0	5 SQUARE 4
T 35 00 N	DAY 03	DATA USE 1	BAROMETR 1033.0	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 48
NG 048 00 W	HOUR 23.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 171 020	1 SQUARE 5*

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	18.86	36.46	26.19		1520.7							
	OBS	00010	18.81	36.44	26.19		1520.7							
	OBS	00020	18.66	36.42	26.21		1520.4							
	OBS	00030	18.26	36.41	26.30		1519.4							
	OBS	00050	18.16	36.42	26.35		1519.4							
	OBS	00075	17.95	36.39	26.37		1519.2							
	OBS	00100	17.80	36.37	26.39		1519.2							
	OBS	00125	17.47	36.36	26.46		1518.6							
	OBS	00150	17.17	36.32	26.50		1518.1							
	OBS	00200	16.85	36.32	26.58		1518.0							
	OBS	00250	16.61	36.27	26.60		1518.0							
	OBS	00300	16.11	36.19	26.65		1517.2							
	OBS	00400	14.95	35.96	26.74		1515.0							
	OBS	00420	14.73	36.00	26.82		1514.7							
	OBS	00435	14.73	36.00	26.82		1514.9							
	OBS	00500	13.65	35.78	26.88		1512.2							
	OBS	00540	13.15	35.71	26.93		1511.1							
	OBS	00555	13.15	35.72	26.94		1511.4							
	OBS	00600	11.99	35.52	27.01		1507.9							
	OBS	00700	09.85	35.23	27.18		1501.6							
	OBS	00755	08.96	35.09	27.21		1499.1							
	OBS	00770	08.51	35.16	27.34		1497.7							
	OBS	00780	08.55	35.18	27.35		1498.1							
	OBS	00800	08.30	35.17	27.38		1497.4							
	OBS	00840	07.53	35.16	27.49		1495.2							
	OBS	00880	07.47	35.18	27.51		1495.6							
	OBS	00900	07.07	35.14	27.54		1494.3							
	OBS	00915	06.88	35.15	27.57		1493.9							
	OBS	00930	07.01	35.19	27.59		1494.7							
	OBS	01000	06.26	35.12	27.63		1492.8							
	OBS	01040	05.82	35.08	27.66		1491.6							
	OBS	01060	06.18	35.16	27.68		1493.5							
	OBS	01080	05.47	35.06	27.69		1490.9							
	OBS	01090	05.41	35.06	27.69		1490.8							
	OBS	01100	05.52	35.08	27.70		1491.4							
	OBS	01200	05.08	35.05	27.73		1491.3							
	OBS	01220	05.01	35.04	27.73		1491.3							
	OBS	01265	05.00	35.06	27.74		1492.0							
	OBS	01300	04.65	34.99	27.73		1491.1							
	OBS	01400	04.41	34.99	27.76		1491.8							
	OBS	01450	04.32	34.98	27.76		1492.2							
	OBS	01470	04.29	34.98	27.76		1492.4							
	OBS	01500	04.31	35.00	27.77		1493.1							

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TABLE L.—Continued

FID 31 8317	YEAR 1972	BOTDP 04572	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
NSEC 0021	MONTH 05	SHIP DG	WET BULB 15.0	04 2 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
F 35 01 N	DAY 04	DATA USE 1	BAROMETR 1034.3	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
NG 048 00 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E71 021	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	18.77	36.45	26.21		1520.4							
	OBS	00010	18.77	36.45	26.21		1520.6							
	OBS	00020	18.75	36.45	26.21		1520.7							
	OBS	00030	18.27	36.42	26.31		1519.5							
	OBS	00050	18.11	36.41	26.34		1519.3							
	OBS	00075	17.93	36.39	26.37		1519.2							
	OBS	00100	17.73	36.36	26.40		1519.0							
	OBS	00125	17.43	36.35	26.46		1518.5							
	OBS	00150	17.20	36.34	26.51		1518.2							
	OBS	00175	17.04	36.32	26.53		1518.1							
	OBS	00200	17.01	36.33	26.55		1518.5							
	OBS	00250	16.66	36.28	26.59		1518.2							
	OBS	00300	16.21	36.19	26.63		1517.5							
	OBS	00400	15.00	35.99	26.75		1515.2							
	OBS	00405	14.90	35.97	26.76		1514.9							
	OBS	00420	14.82	35.97	26.78		1514.9							
	OBS	00430	14.81	35.98	26.79		1515.0							
	OBS	00500	13.80	35.79	26.86		1512.7							
	OBS	00530	13.60	35.77	26.88		1512.5							
	OBS	00545	13.40	35.72	26.89		1512.0							
	OBS	00550	13.14	35.65	26.89		1511.2							
	OBS	00600	12.13	35.53	26.99		1508.4							
	OBS	00700	10.11	35.26	27.15		1502.6							
	OBS	00760	08.57	35.11	27.29		1497.7							
	OBS	00770	08.43	35.14	27.34		1497.4							
	OBS	00785	08.44	35.15	27.34		1497.7							
	OBS	00800	08.28	35.17	27.35		1497.3							
	OBS	00890	07.43	35.15	27.50		1495.6							
	OBS	00900	07.39	35.18	27.53		1495.6							
	OBS	00905	07.44	35.20	27.53		1496.0							
	OBS	01000	06.55	35.17	27.64		1494.0							
	OBS	01031	06.10	35.12	27.66		1492.7							
	OBS	01041	06.28	35.18	27.68		1493.6							
	OBS	01055	05.65	35.08	27.68		1491.2							
	OBS	01066	05.67	35.10	27.69		1491.5							
	OBS	01100	05.34	35.05	27.70		1490.7							
	OBS	01168	05.29	35.05	27.70		1491.6							
	OBS	01180	05.20	35.06	27.72		1491.4							
	OBS	01200	05.23	35.07	27.72		1491.9							
	OBS	01240	05.25	35.09	27.74		1492.7							
	OBS	01300	05.10	35.09	27.76		1493.1							
	OBS	01340	04.97	35.08	27.76		1493.2							
	OBS	01390	04.94	35.08	27.77		1493.9							
	OBS	01400	04.82	35.07	27.77		1493.6							
	OBS	01420	04.47	35.01	27.76		1492.4							
	OBS	01500	04.26	35.01	27.79		1492.9							

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FID 31 8317	YEAR 1972	BOTDP 04754	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
NSEC 0022	MONTH 05	SHIP DG	WET BULB 16.6	06 1 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
F 35 02 N	DAY 04	DATA USE 1	BAROMETR 1034.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
NG 048 02 W	HOUR 23.7	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E71 022	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.7	OBS	00000	18.78	36.42	26.18		1520.4							
	OBS	00010	18.71	36.41	26.19		1520.4							
	OBS	00020	18.65	36.41	26.21		1520.4							
	OBS	00030	18.42	36.37	26.23		1519.8							
	OBS	00050	17.99	36.40	26.36		1519.0							
	OBS	00075	17.78	36.39	26.41		1518.8							
	OBS	00100	17.60	36.37	26.44		1518.6							
	OBS	00125	17.42	36.37	26.48		1518.5							
	OBS	00150	17.27	36.35	26.50		1518.4							
	OBS	00200	16.95	36.30	26.54		1518.2							
	OBS	00250	16.67	36.25	26.57		1518.2							
	OBS	00300	16.42	36.24	26.62		1518.2							
	OBS	00400	15.39	36.06	26.72		1516.5							
	OBS	00500	14.10	35.84	26.83		1513.7							
	OBS	00600	12.29	35.55	26.98		1509.0							
	OBS	00700	10.15	35.26	27.15		1502.8							
	OBS	00775	08.67	35.10	27.27		1498.3							
	OBS	00800	08.39	35.18	27.38		1497.8							
	OBS	00850	07.85	35.19	27.47		1496.6							
	OBS	00900	07.25	35.16	27.53		1495.1							
	OBS	00940	06.56	35.08	27.56		1492.9							
	OBS	01000	06.01	35.08	27.64		1491.7							
	OBS	01070	05.47	35.05	27.68		1490.7							
	OBS	01090	05.49	35.05	27.68		1491.1							
	OBS	01100	05.31	35.04	27.69		1490.5							
	OBS	01200	05.14	35.06	27.73		1491.5							
	OBS	01260	05.17	35.08	27.74		1492.7							
	OBS	01280	04.96	35.05	27.74		1492.1							
	OBS	01300	04.91	35.05	27.75		1492.2							
	OBS	01330	04.57	35.00	27.75		1491.3							
	OBS	01345	04.63	35.02	27.75		1491.8							
	OBS	01355	04.58	35.01	27.75		1491.7							
	OBS	01360	04.72	35.05	27.77		1492.5							
	OBS	01400	04.63	35.03	27.76		1492.7							
	OBS	01425	04.48	35.01	27.76		1492.5							
	OBS	01460	04.75	35.06	27.77		1494.3							
	OBS	01490	04.40	35.01	27.77		1493.3							
	OBS	01500	04.46	35.04	27.79		1493.7							

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TABLE L.—Continued

FID 31 8317	YEAR 1972	BOTDP 04754	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
MSEC 0023	MONTH 05	SHIP DG	WET BULB 16.1	06 0 2	WIND-SPD 09	TRACE DIF D	5 SQUARE 2
L 34 56 N	DAY 05	DATA USE 1	BAROMETR 1033.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 4A
NG 048 07 W	HOUR 11.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E71 025	1 SQUARE 4B

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	18.74	36.45	26.21		1520.3							
	OBS	00010	18.75	36.45	26.21		1520.5							
	OBS	00020	18.74	36.45	26.21		1520.7							
	OBS	00030	18.06	36.38	26.33		1518.8							
	OBS	00050	17.88	36.40	26.39		1518.6							
	OBS	00075	17.69	36.39	26.43		1518.5							
	OBS	00100	17.60	36.40	26.46		1518.6							
	OBS	00125	17.51	36.40	26.48		1518.8							
	OBS	00150	17.32	36.36	26.50		1518.6							
	OBS	00200	16.97	36.31	26.54		1518.3							
	OBS	00250	16.72	36.28	26.58		1518.4							
	OBS	00300	16.32	36.22	26.63		1517.9							
	OBS	00400	15.47	36.09	26.72		1516.8							
	OBS	00440	14.87	35.97	26.77		1515.4							
	OBS	00455	14.75	35.97	26.79		1515.3							
	OBS	00470	14.76	35.99	26.81		1515.6							
	OBS	00500	14.06	35.83	26.83		1513.6							
	OBS	00520	13.71	35.78	26.87		1512.7							
	OBS	00525	13.68	35.80	26.89		1512.7							
	OBS	00535	13.68	35.80	26.89		1512.9							
	OBS	00550	13.25	35.72	26.92		1511.6							
	OBS	00600	12.25	35.54	26.98		1508.9							
	OBS	00700	10.00	35.24	27.16		1502.2							
	OBS	00735	09.30	35.17	27.22		1500.1							
	OBS	00745	09.11	35.23	27.30		1499.7							
	OBS	00800	08.41	35.18	27.37		1497.9							
	OBS	00900	07.23	35.19	27.56		1495.0							
	OBS	01000	06.13	35.10	27.64		1492.2							
	OBS	01020	05.91	35.08	27.65		1491.7							
	OBS	01035	06.11	35.15	27.68		1492.8							
	OBS	01075	05.51	35.06	27.68		1490.9							
	OBS	01100	05.36	35.05	27.69		1490.7							
	OBS	01125	05.35	35.06	27.70		1491.1							
	OBS	01135	05.22	35.05	27.71		1490.7							
	OBS	01200	05.15	35.08	27.74		1491.6							
	OBS	01240	05.18	35.10	27.75		1492.4							
	OBS	01300	05.00	35.09	27.77		1492.7							
	OBS	01330	04.92	35.08	27.77		1492.8							
	OBS	01340	04.97	35.09	27.77		1493.2							
	OBS	01400	04.90	35.10	27.79		1493.9							
	OBS	01450	04.76	35.08	27.79		1494.2							
	OBS	01490	04.38	35.02	27.78		1493.2							
	OBS	01500	04.28	35.02	27.79		1493.0							

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TABLE L.—Continued

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FID  31  8317     YEAR 1972    BOTDP 04572    AIR TEMP   19.2    DIR HGT PER     WIND-DIR 13    INST STD RECORDER      TEN SQ 1206
NSEC     0024     MONTH  05    SHIP DG        WET BULB   16.2     13  1   2      WIND-SPD 08    TRACE DIR         D    5 SQUARE  4
T   35 00  N     DAY    05    DATA USE  1    BAROMETR 1033.4    SEA             WIND-FOR       DURATION      00.5    2 SQUARE 48
NG  048 05  W     HOUR 23.5    AREA     05    CLOUD T/A          CL/TR           WEATHER  X1    ORIG E71 024           1 SQUARE 58

CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

       23.5   OBS     00000     18.90     36.41     26.14               1520.7
              OBS     00010     18.87     36.41     26.15               1520.8
              OBS     00020     18.76     36.41     26.18               1520.7
              OBS     00030     18.55     36.39     26.22               1520.2
              OBS     00050     18.12     36.36     26.30               1519.3
              OBS     00075     17.70     36.36     26.40               1518.5
              OBS     00100     17.56     36.36     26.44               1518.5
              OBS     00125     17.32     36.32     26.47               1518.1
              OBS     00150     17.15     36.34     26.52               1518.1
              OBS     00200     16.87     36.29     26.55               1518.0
              OBS     00250     16.48     36.18     26.56               1517.5
              OBS     00260     16.30     36.18     26.60               1517.1
              OBS     00300     16.30     36.20     26.62               1517.8
              OBS     00400     15.37     36.06     26.72               1516.4
              OBS     00500     13.97     35.81     26.84               1513.3
              OBS     00535     13.60     35.77     26.88               1512.6
              OBS     00550     13.29     35.73     26.92               1511.8
              OBS     00565     13.22     35.72     26.92               1511.8
              OBS     00580     12.85     35.67     26.96               1510.7
              OBS     00600     12.66     35.62     26.96               1510.3
              OBS     00700     10.17     35.26     27.14               1502.9
              OBS     00800     08.14     35.11     27.36               1496.8
              OBS     00815     08.07     35.17     27.42               1496.8
              OBS     00830     08.09     35.18     27.42               1497.2
              OBS     00840     08.00     35.17     27.43               1497.0
              OBS     00850     07.86     35.19     27.46               1496.6
              OBS     00900     07.29     35.16     27.52               1495.2
              OBS     00960     06.43     35.11     27.60               1492.8
              OBS     00970     06.54     35.15     27.62               1493.4
              OBS     00985     06.43     35.13     27.62               1493.2
              OBS     01000     06.42     35.14     27.63               1493.4
              OBS     01020     06.59     35.22     27.67               1494.6
              OBS     01080     06.08     35.16     27.69               1493.4
              OBS     01090     06.14     35.20     27.71               1493.9
              OBS     01100     06.13     35.19     27.71               1494.0
              OBS     01130     05.37     35.05     27.69               1491.3
              OBS     01190     05.01     35.04     27.73               1490.8
              OBS     01200     05.05     35.06     27.74               1491.2
              OBS     01260     05.02     35.07     27.75               1492.0
              OBS     01300     05.07     35.09     27.76               1492.9
              OBS     01331     04.73     35.04     27.76               1492.0
              OBS     01345     04.55     35.01     27.76               1491.5
              OBS     01400     04.34     34.99     27.76               1491.5
              OBS     01500     04.16     34.99     27.78               1492.4

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FID  31  8317     YEAR 1972    BOTDP 04754    AIR TEMP   18.9    DIR HGT PER     WIND-DIR 15    INST STD RECORDER      TEN SQ 1206
NSEC     0025     MONTH  05    SHIP DG        WET BULB   16.1     15  1   2      WIND-SPD 13    TRACE DIR         D    5 SQUARE  2
T   34 58  N     DAY    06    DATA USE  1    BAROMETR 1030.4    SEA             WIND-FOR       DURATION      00.3    2 SQUARE 46
NG  047 58  W     HOUR 11.7    AREA     05    CLOUD T/A          CL/TR           WEATHER  X1    ORIG E71 025           1 SQUARE 47

CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

       11.7   OBS     00000     18.86     36.44     26.17               1520.7
              OBS     00010     18.59     36.41     26.22               1520.0
              OBS     00020     18.38     36.43     26.29               1519.6
              OBS     00030     18.22     36.42     26.32               1519.3
              OBS     00050     18.05     36.38     26.33               1519.1
              OBS     00075     17.72     36.35     26.39               1518.5
              OBS     00100     17.39     36.36     26.48               1518.0
              OBS     00125     17.29     36.36     26.50               1518.1
              OBS     00150     17.18     36.36     26.53               1518.2
              OBS     00200     16.98     36.34     26.56               1518.4
              OBS     00250     16.50     36.25     26.61               1517.7
              OBS     00300     16.21     36.21     26.65               1517.5
              OBS     00400     15.13     36.02     26.75               1515.6
              OBS     00490     14.20     35.84     26.81               1513.9
              OBS     00500     14.03     35.85     26.85               1513.5
              OBS     00520     13.96     35.83     26.85               1513.6
              OBS     00600     12.62     35.56     26.92               1510.1
              OBS     00700     10.57     35.30     27.11               1504.3
              OBS     00790     08.25     35.10     27.33               1497.0
              OBS     00800     08.04     35.15     27.41               1496.4
              OBS     00830     07.79     35.13     27.43               1495.9
              OBS     00850     07.77     35.18     27.47               1496.3
              OBS     00900     07.13     35.14     27.53               1494.6
              OBS     00950     06.47     35.09     27.58               1492.7
              OBS     00990     06.27     35.14     27.65               1492.7
              OBS     01000     06.35     35.17     27.66               1493.2
              OBS     01015     06.55     35.21     27.67               1494.3
              OBS     01020     06.46     35.19     27.66               1494.0
              OBS     01055     05.83     35.09     27.67               1491.9
              OBS     01085     05.41     35.06     27.69               1490.7
              OBS     01100     05.49     35.08     27.70               1491.3
              OBS     01200     05.13     35.05     27.72               1491.5
              OBS     01300     04.99     35.06     27.75               1492.6
              OBS     01320     04.90     35.06     27.76               1492.5
              OBS     01380     04.85     35.07     27.77               1493.4
              OBS     01400     04.79     35.06     27.77               1493.4
              OBS     01490     04.67     35.06     27.78               1494.5
              OBS     01500     04.62     35.04     27.77               1494.4

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TABLE L.—Continued

FID 31 8317	YEAR 1972	BOTOP 04205	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
NSEC 0026	MONTH 05	SHIP DG	WET BULB 16.0	16 0 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
T 35 02 N	DAY 06	DATA USE 1	BAROMETP 1029.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
NG 047 54 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E71 026	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.8	OBS	00000	19.09	36.44	26.12		1521.3							
	OBS	00010	18.84	36.43	26.17		1520.8							
	OBS	00020	18.57	36.43	26.24		1520.2							
	OBS	00030	18.38	36.44	26.30		1519.8							
	OBS	00050	18.26	36.42	26.31		1519.8							
	OBS	00060	17.97	36.34	26.32		1519.0							
	OBS	00075	17.60	36.37	26.44		1518.2							
	OBS	00100	17.57	36.37	26.44		1518.5							
	OBS	00125	17.52	36.37	26.46		1518.8							
	OBS	00135	17.46	36.35	26.46		1518.8							
	OBS	00150	17.30	36.35	26.49		1518.5							
	OBS	00190	17.10	36.35	26.54		1518.6							
	OBS	00200	17.04	36.34	26.55		1518.6							
	OBS	00210	16.86	36.30	26.56		1518.1							
	OBS	00250	16.42	36.21	26.60		1517.4							
	OBS	00285	15.86	36.07	26.62		1516.1							
	OBS	00290	15.77	36.11	26.67		1515.9							
	OBS	00300	15.71	36.09	26.67		1515.9							
	OBS	00325	15.34	35.99	26.68		1515.0							
	OBS	00345	15.22	36.00	26.71		1515.0							
	OBS	00365	14.99	35.96	26.73		1514.5							
	OBS	00375	15.04	35.99	26.74		1514.9							
	OBS	00385	14.94	35.97	26.75		1514.7							
	OBS	00400	14.83	35.98	26.78		1514.6							
	OBS	00460	14.00	35.82	26.84		1512.7							
	OBS	00500	13.60	35.78	26.89		1512.0							
	OBS	00600	12.49	35.61	26.99		1509.8							
	OBS	00640	11.46	35.42	27.04		1506.6							
	OBS	00700	10.36	35.32	27.16		1503.6							
	OBS	00800	07.93	35.08	27.37		1495.9							
	OBS	00825	07.56	35.07	27.41		1494.9							
	OBS	00840	07.36	35.12	27.48		1494.4							
	OBS	00850	07.46	35.18	27.52		1495.1							
	OBS	00870	07.46	35.18	27.52		1495.4							
	OBS	00900	07.26	35.20	27.56		1495.2							
	OBS	00930	06.97	35.19	27.59		1494.5							
	OBS	00950	06.41	35.11	27.61		1492.5							
	OBS	01000	05.93	35.08	27.65		1491.4							
	OBS	01025	05.64	35.07	27.67		1490.6							
	OBS	01100	05.38	35.06	27.70		1490.8							
	OBS	01160	05.02	35.03	27.72		1490.3							
	OBS	01200	05.02	35.05	27.73		1491.0							
	OBS	01240	04.98	35.04	27.73		1491.5							
	OBS	01250	04.98	35.07	27.75		1491.7							
	OBS	01280	05.05	35.07	27.75		1492.5							
	OBS	01300	04.61	35.00	27.74		1490.9							
	OBS	01325	04.52	35.00	27.75		1491.0							
	OBS	01335	04.64	35.04	27.77		1491.7							
	OBS	01370	04.41	35.00	27.76		1491.3							
	OBS	01400	04.35	35.00	27.77		1491.5							
	OBS	01500	04.18	34.99	27.78		1492.5							

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TABLE L.—Continued

EFID 31 8317 YEAR 1972 BOTDP 04286 AIR TEMP 19.2 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
INSEC 0027 MONTH 05 SHIP DG WET BULB 17.0 15 3 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
AT 35 02 N DAY 07 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
ONG 047 58 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 027 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	18.83	36.40	26.15		1520.5							
	OBS	00010	18.60	36.40	26.21		1520.1							
	OBS	00020	18.11	36.36	26.30		1516.8							
	OBS	00030	17.81	36.36	26.38		1518.1							
	OBS	00050	17.57	36.36	26.44		1517.7							
	OBS	00075	17.47	36.36	26.46		1517.8							
	OBS	00100	17.43	36.37	26.48		1518.1							
	OBS	00125	17.39	36.36	26.48		1518.4							
	OBS	00140	17.35	36.37	26.50		1518.5							
	OBS	00150	17.44	36.40	26.50		1519.0							
	OBS	00200	17.12	36.34	26.53		1516.8							
	OBS	00250	16.81	36.27	26.55		1518.6							
	OBS	00300	16.01	36.06	26.58		1516.8							
	OBS	00315	15.78	36.08	26.65		1516.3							
	OBS	00330	15.56	36.02	26.65		1515.8							
	OBS	00350	15.45	36.03	26.68		1515.8							
	OBS	00360	15.50	36.07	26.70		1516.2							
	OBS	00400	14.96	35.96	26.74		1515.0							
	OBS	00410	14.82	35.93	26.75		1514.7							
	OBS	00420	14.76	35.96	26.78		1514.7							
	OBS	00440	14.86	36.01	26.80		1515.4							
	OBS	00500	13.83	35.80	26.86		1512.8							
	OBS	00600	12.65	35.63	26.97		1510.3							
	OBS	00700	10.76	35.34	27.10		1505.1							
	OBS	00800	07.96	35.07	27.35		1496.0							
	OBS	00830	07.44	35.12	27.47		1494.6							
	OBS	00845	07.60	35.18	27.49		1495.5							
	OBS	00900	06.80	35.11	27.55		1493.2							
	OBS	00910	06.64	35.10	27.57		1492.8							
	OBS	00920	06.40	35.09	27.59		1492.0							
	OBS	00940	06.37	35.12	27.62		1492.2							
	OBS	00950	06.51	35.17	27.64		1493.0							
	OBS	01000	05.72	35.05	27.65		1490.5							
	OBS	01040	05.26	35.01	27.67		1489.3							
	OBS	01100	05.12	35.02	27.70		1489.7							
	OBS	01150	04.94	35.00	27.70		1489.8							
	OBS	01160	04.91	35.02	27.72		1489.9							
	OBS	01200	05.09	35.05	27.73		1491.3							
	OBS	01270	04.59	34.98	27.73		1490.3							
	OBS	01285	04.80	35.04	27.75		1491.5							
	OBS	01300	04.76	35.02	27.74		1491.6							
	OBS	01310	04.83	35.04	27.75		1492.1							
	OBS	01350	04.82	35.04	27.75		1492.7							
	OBS	01360	04.68	35.03	27.76		1492.3							
	OBS	01400	04.50	34.99	27.75		1492.1							
	OBS	01420	04.31	34.97	27.75		1491.7							
	OBS	01500	04.18	34.96	27.76		1492.5							

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EFID 31 8317 YEAR 1972 BOTDP 04205 AIR TEMP 19.0 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206
INSEC 0028 MONTH 05 SHIP DG WET BULB 16.8 12 3 2 WIND-SPD 09 TRACE DIR D 5 SQUARE 4
AT 35 03 N DAY 07 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
ONG 048 02 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 028 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	19.14	36.43	26.10		1521.4							
	OBS	00010	18.43	36.31	26.18		1519.5							
	OBS	00020	17.96	36.35	26.33		1518.3							
	OBS	00030	17.69	36.36	26.41		1517.7							
	OBS	00050	17.59	36.37	26.44		1517.8							
	OBS	00075	17.56	36.37	26.45		1518.1							
	OBS	00100	17.51	36.37	26.46		1518.3							
	OBS	00125	17.50	36.37	26.46		1518.7							
	OBS	00150	17.40	36.37	26.49		1518.8							
	OBS	00200	17.08	36.34	26.54		1518.7							
	OBS	00250	16.61	36.23	26.57		1518.0							
	OBS	00300	16.01	36.13	26.63		1516.8							
	OBS	00370	15.04	35.94	26.70		1514.7							
	OBS	00380	15.08	35.98	26.73		1515.1							
	OBS	00400	14.94	35.95	26.73		1514.9							
	OBS	00410	14.85	35.96	26.76		1514.8							
	OBS	00430	14.84	36.00	26.80		1515.2							
	OBS	00500	14.12	35.83	26.82		1513.8							
	OBS	00600	12.66	35.62	26.96		1510.3							
	OBS	00700	10.12	35.23	27.13		1502.6							
	OBS	00720	09.62	35.23	27.22		1501.1							
	OBS	00740	09.56	35.25	27.24		1501.3							
	OBS	00800	08.25	35.12	27.35		1497.2							
	OBS	00830	07.61	35.11	27.44		1495.2							
	OBS	00850	07.24	35.08	27.47		1494.1							
	OBS	00900	06.93	35.08	27.51		1493.7							
	OBS	00920	06.78	35.11	27.56		1493.5							
	OBS	00940	06.87	35.16	27.58		1494.2							
	OBS	01000	05.86	35.07	27.65		1491.1							
	OBS	01040	05.30	35.01	27.67		1489.4							
	OBS	01070	05.14	35.02	27.70		1489.3							
	OBS	01100	05.11	35.01	27.69		1489.7							
	OBS	01150	05.11	35.02	27.70		1490.5							
	OBS	01200	04.85	34.99	27.71		1490.2							
	OBS	01300	04.53	34.98	27.73		1490.6							
	OBS	01400	04.37	34.98	27.75		1491.6							
	OBS	01420	04.35	34.98	27.75		1491.8							
	OBS	01445	04.68	35.04	27.77		1493.7							
	OBS	01500	04.66	35.06	27.78		1494.6							

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TABLE L.—Continued

EFID 31 8317	YEAR 1972	BCTDP 02376	AIR TEMP 19.2	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
ONSEC 0029	MONTH 05	SHIP DG	WET BULB 17.5	10 2 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
AT 34 51 N	DAY 08	DATA USE 1	BAROMETR 1020.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
ONG 047 59 W	HOUR 12.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E71 029	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	19.00	36.42	26.12		1521.0							
	OBS	00010	18.95	36.42	26.14		1521.1							
	OBS	00020	18.17	36.32	26.26		1518.9							
	OBS	00030	17.74	36.36	26.39		1517.9							
	OBS	00050	17.59	36.37	26.44		1517.8							
	OBS	00075	17.57	36.38	26.45		1518.1							
	OBS	00100	17.51	36.38	26.47		1518.4							
	OBS	00125	17.40	36.36	26.48		1518.4							
	OBS	00150	17.30	36.36	26.50		1518.5							
	OBS	00200	16.92	36.28	26.53		1518.1							
	OBS	00230	16.67	36.24	26.56		1517.8							
	OBS	00240	16.63	36.25	26.58		1517.9							
	OBS	00250	16.65	36.27	26.59		1518.1							
	OBS	00300	16.23	36.18	26.62		1517.6							
	OBS	00400	14.89	35.94	26.74		1514.8							
	OBS	00410	14.81	35.95	26.76		1514.7							
	OBS	00430	14.80	35.97	26.78		1515.0							
	OBS	00500	13.88	35.78	26.83		1513.0							
	OBS	00600	12.42	35.59	26.98		1509.5							
	OBS	00650	11.22	35.35	27.03		1505.9							
	OBS	00700	10.25	35.28	27.15		1503.1							
	OBS	00800	08.16	35.10	27.35		1496.8							
	OBS	00810	07.99	35.07	27.35		1496.3							
	OBS	00860	07.33	35.06	27.44		1494.6							
	OBS	00880	06.94	35.03	27.47		1493.3							
	OBS	00900	06.79	35.05	27.51		1493.1							
	OBS	00940	06.91	35.16	27.58		1494.4							
	OBS	01000	06.43	35.17	27.65		1493.5							
	OBS	01030	06.25	35.18	27.68		1493.3							
	OBS	01070	05.92	35.12	27.68		1492.6							
	OBS	01080	05.69	35.11	27.70		1491.8							
	OBS	01100	05.76	35.13	27.71		1492.5							
	OBS	01125	05.52	35.10	27.71		1491.9							
	OBS	01140	05.64	35.13	27.72		1492.6							
	OBS	01200	05.25	35.07	27.72		1492.0							
	OBS	01210	05.13	35.06	27.73		1491.6							
	OBS	01220	04.95	35.05	27.74		1491.1							
	OBS	01300	04.76	35.03	27.75		1491.6							
	OBS	01325	04.72	35.03	27.75		1491.8							
	OBS	01345	04.81	35.06	27.77		1492.6							
	OBS	01360	04.68	35.03	27.76		1492.3							
	OBS	01380	04.72	35.04	27.76		1492.8							
	OBS	01400	04.65	35.03	27.76		1492.8							
	OBS	01500	04.59	35.06	27.79		1494.3							

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EFID 31 8317	YEAR 1972	BCTDP 03109	AIR TEMP 18.8	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1206
ONSEC 0030	MONTH 05	SHIP DG	WET BULB 17.4	05 1 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
AT 35 04 N	DAY 08	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
ONG 047 49 W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E71 030	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	19.22	36.43	26.07		1521.7							
	OBS	00010	18.37	36.33	26.22		1519.3							
	OBS	00020	17.81	36.36	26.38		1517.9							
	OBS	00030	17.66	36.37	26.42		1517.6							
	OBS	00050	17.59	36.37	26.44		1517.8							
	OBS	00075	17.58	36.37	26.44		1518.1							
	OBS	00100	17.57	36.38	26.45		1518.5							
	OBS	00125	17.55	36.38	26.46		1518.9							
	OBS	00150	17.34	36.37	26.50		1518.7							
	OBS	00200	16.93	36.31	26.55		1518.2							
	OBS	00250	16.40	36.19	26.59		1517.3							
	OBS	00300	15.60	36.01	26.63		1515.4							
	OBS	00315	15.34	36.00	26.68		1514.9							
	OBS	00330	15.40	36.04	26.70		1515.3							
	OBS	00345	15.40	36.03	26.69		1515.6							
	OBS	00360	15.15	35.96	26.70		1514.9							
	OBS	00400	14.87	35.97	26.77		1514.7							
	OBS	00435	14.87	35.99	26.78		1515.3							
	OBS	00460	14.57	35.94	26.81		1514.7							
	OBS	00500	13.97	35.82	26.84		1513.3							
	OBS	00600	12.56	35.60	26.96		1510.0							
	OBS	00690	10.17	35.24	27.13		1502.6							
	OBS	00700	09.89	35.26	27.19		1501.8							
	OBS	00720	09.76	35.26	27.21		1501.7							
	OBS	00750	08.77	35.16	27.30		1498.4							
	OBS	00760	08.76	35.17	27.31		1498.5							
	OBS	00800	07.69	35.09	27.41		1495.0							
	OBS	00850	06.92	35.05	27.49		1492.8							
	OBS	00900	06.83	35.13	27.57		1493.4							
	OBS	00990	06.50	35.17	27.64		1493.6							
	OBS	01000	06.32	35.14	27.64		1493.0							
	OBS	01100	05.63	35.08	27.68		1491.9							
	OBS	01200	05.09	35.04	27.72		1491.3							
	OBS	01235	05.10	35.07	27.74		1492.0							
	OBS	01240	05.14	35.08	27.74		1492.2							
	OBS	01260	04.99	35.06	27.75		1491.9							
	OBS	01270	05.05	35.07	27.75		1492.3							
	OBS	01285	04.99	35.05	27.74		1492.3							
	OBS	01300	04.80	35.04	27.75		1491.8							
	OBS	01400	04.70	35.04	27.76		1493.0							
	OBS	01500	04.55	35.03	27.77		1494.1							

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TABLE L.—Continued

REFID 31 6317 YEAR 1972 BOTDP 03200 AIR TEMP 20.1 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0031 MONTH 05 SHIP DG WET BULB 17.6 05 1 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 35 07 N DAY 09 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOR DURATION 00.6 2 SQUARE 46
LONG 047 58 W HOUR 12.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 031 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.6	OBS	00000	19.47	36.47	26.04		1522.4							
	OBS	00010	18.57	36.36	26.19		1519.9							
	OBS	00020	18.27	36.40	26.29		1519.3							
	OBS	00030	18.20	36.38	26.30		1519.2							
	OBS	00050	17.60	36.32	26.40		1517.7							
	OBS	00075	17.30	36.27	26.43		1517.2							
	OBS	00100	17.02	36.29	26.52		1516.8							
	OBS	00125	16.90	36.28	26.54		1516.6							
	OBS	00150	16.63	36.25	26.58		1516.4							
	OBS	00200	16.18	36.19	26.64		1515.9							
	OBS	00220	16.17	36.19	26.64		1516.1							
	OBS	00250	15.73	36.10	26.67		1515.1							
	OBS	00300	15.20	36.01	26.72		1514.2							
	OBS	00400	14.14	35.86	26.84		1512.3							
	OBS	00500	12.76	35.64	26.95		1509.1							
	OBS	00600	10.99	35.39	27.10		1504.3							
	OBS	00700	09.00	35.19	27.29		1498.5							
	OBS	00750	08.15	35.07	27.33		1495.9							
	OBS	00800	07.43	35.09	27.45		1494.0							
	OBS	00900	06.45	35.11	27.60		1491.9							
	OBS	01000	05.78	35.09	27.67		1490.8							
	OBS	01035	05.69	35.09	27.68		1491.0							
	OBS	01055	05.77	35.11	27.69		1491.7							
	OBS	01080	05.53	35.09	27.70		1491.1							
	OBS	01100	05.52	35.09	27.71		1491.4							
	OBS	01110	05.56	35.11	27.72		1491.8							
	OBS	01200	05.10	35.05	27.72		1491.3							
	OBS	01220	05.02	35.05	27.73		1491.4							
	OBS	01230	05.00	35.07	27.75		1491.5							
	OBS	01250	05.11	35.08	27.75		1492.3							
	OBS	01280	04.94	35.05	27.74		1492.0							
	OBS	01300	04.96	35.07	27.76		1492.5							
	OBS	01340	04.83	35.05	27.76		1492.6							
	OBS	01370	04.90	35.07	27.76		1493.4							
	OBS	01400	04.68	35.04	27.77		1493.0							
	OBS	01440	04.50	35.01	27.76		1492.8							
	OBS	01500	04.35	35.01	27.78		1493.2							

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REFID 31 8317 YEAR 1972 BOTDP 04022 AIR TEMP 18.8 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0032 MONTH 05 SHIP DG WET BULB 17.8 12 2 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 13 N DAY 09 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 52 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 032 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.7	OBS	00000	19.51	36.48	26.04		1522.5							
	OBS	00010	19.34	36.46	26.07		1522.2							
	OBS	00020	19.19	36.44	26.09		1521.9							
	OBS	00030	18.75	36.42	26.19		1520.8							
	OBS	00050	18.40	36.43	26.28		1520.2							
	OBS	00075	18.12	36.39	26.32		1519.7							
	OBS	00100	17.69	36.35	26.40		1518.8							
	OBS	00125	17.35	36.33	26.47		1518.2							
	OBS	00150	17.27	36.35	26.50		1518.4							
	OBS	00200	17.08	36.34	26.54		1518.7							
	OBS	00250	16.54	36.25	26.60		1517.8							
	OBS	00300	15.79	36.09	26.65		1516.1							
	OBS	00370	15.16	35.95	26.69		1515.1							
	OBS	00400	14.87	35.96	26.76		1514.7							
	OBS	00440	14.78	35.98	26.79		1515.1							
	OBS	00500	13.82	35.79	26.85		1512.8							
	OBS	00600	12.20	35.54	26.99		1508.7							
	OBS	00700	10.27	35.30	27.16		1503.2							
	OBS	00800	08.37	35.14	27.35		1497.7							
	OBS	00840	07.36	35.09	27.45		1494.4							
	OBS	00900	06.91	35.15	27.57		1493.7							
	OBS	00910	06.91	35.16	27.58		1493.9							
	OBS	00960	06.16	35.10	27.63		1491.7							
	OBS	01000	06.03	35.10	27.65		1491.8							
	OBS	01020	05.93	35.10	27.66		1491.8							
	OBS	01045	05.62	35.05	27.66		1490.9							
	OBS	01075	05.42	35.05	27.69		1490.6							
	OBS	01090	05.45	35.08	27.71		1491.0							
	OBS	01100	05.51	35.09	27.71		1491.4							
	OBS	01110	05.56	35.11	27.72		1491.8							
	OBS	01135	05.55	35.11	27.72		1492.2							
	OBS	01200	04.82	35.02	27.73		1490.2							
	OBS	01210	04.86	35.03	27.74		1490.5							
	OBS	01220	04.76	35.01	27.73		1490.2							
	OBS	01240	04.77	35.02	27.74		1490.6							
	OBS	01300	04.53	35.00	27.75		1490.6							
	OBS	01400	04.41	35.00	27.76		1491.8							
	OBS	01470	04.26	34.99	27.77		1492.3							
	OBS	01500	04.27	35.00	27.78		1492.9							

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TABLE L.—Continued

REFID 31 8317	YEAR 1972	BOTDP 02377	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1206
CONSEC 0033	MONTH 05	SHIP DG	WET BULB 18.5	08 3 2	WIND-SPD 16	TRACE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 10	DATA USE 1	BAROMETR 1021.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 58 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E71 033	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	19.33	36.44	26.05		1522.0							
	OBS	00010	19.31	36.44	26.06		1522.1							
	OBS	00020	18.85	36.40	26.15		1520.9							
	OBS	00030	18.57	36.43	26.24		1520.3							
	OBS	00050	18.31	36.38	26.27		1519.9							
	OBS	00075	17.85	36.36	26.37		1518.9							
	OBS	00100	17.37	36.33	26.46		1517.9							
	OBS	00125	17.08	36.32	26.52		1517.4							
	OBS	00150	16.93	36.29	26.54		1517.4							
	OBS	00200	16.60	36.25	26.59		1517.1							
	OBS	00250	16.26	36.20	26.63		1516.9							
	OBS	00300	15.83	36.14	26.68		1516.3							
	OBS	00400	14.60	35.93	26.79		1513.8							
	OBS	00500	13.23	35.69	26.90		1510.7							
	OBS	00600	11.58	35.45	27.04		1506.4							
	OBS	00700	09.62	35.23	27.22		1500.8							
	OBS	00800	07.95	35.10	27.38		1496.0							
	OBS	00840	07.43	35.06	27.43		1494.6							
	OBS	00860	07.18	35.11	27.50		1494.1							
	OBS	00900	06.55	35.07	27.56		1492.2							
	OBS	00910	06.46	35.08	27.58		1492.0							
	OBS	00950	06.51	35.15	27.62		1493.0							
	OBS	01000	06.38	35.16	27.65		1493.3							
	OBS	01050	05.70	35.05	27.65		1491.3							
	OBS	01060	05.50	35.07	27.69		1490.7							
	OBS	01100	05.40	35.06	27.70		1490.9							
	OBS	01110	05.03	35.01	27.70		1489.5							
	OBS	01140	04.95	35.01	27.71		1489.7							
	OBS	01155	05.03	35.01	27.70		1490.3							
	OBS	01200	04.77	34.99	27.72		1489.9							
	OBS	01235	04.53	34.97	27.73		1489.5							
	OBS	01250	04.68	35.01	27.74		1490.4							
	OBS	01270	04.52	34.98	27.74		1490.0							
	OBS	01280	04.55	35.00	27.75		1490.4							
	OBS	01300	04.76	35.03	27.75		1491.6							
	OBS	01370	04.52	35.01	27.76		1491.8							
	OBS	01400	04.50	35.01	27.76		1492.2							
	OBS	01430	04.38	34.99	27.76		1492.2							
	OBS	01450	04.42	35.00	27.76		1492.7							
	OBS	01460	04.38	34.99	27.76		1492.7							
	OBS	01500	04.36	35.01	27.78		1493.3							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 04480 AIR TEMP 19.6 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0034 MONTH 05 SHIP DG WET BULB 18.8 11 1 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2
LAT 34 50 N DAY 10 DATA USE 1 BAROMETR 1020.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 56 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E71 034 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.7	OBS	00000	19.38	36.44	26.04		1522.1							
	OBS	00010	19.22	36.42	26.07		1521.8							
	OBS	00020	19.03	36.42	26.12		1521.4							
	OBS	00030	18.27	36.39	26.29		1519.4							
	OBS	00050	17.77	36.35	26.38		1518.3							
	OBS	00075	17.58	36.37	26.44		1518.1							
	OBS	00100	17.53	36.37	26.45		1518.4							
	OBS	00125	17.43	36.36	26.47		1518.5							
	OBS	00150	17.20	36.34	26.51		1518.2							
	OBS	00200	16.93	36.29	26.54		1518.2							
	OBS	00250	16.31	36.19	26.61		1517.0							
	OBS	00300	15.92	36.13	26.65		1516.6							
	OBS	00330	15.35	36.00	26.68		1515.1							
	OBS	00400	14.89	35.97	26.76		1514.8							
	OBS	00450	14.82	36.01	26.81		1515.4							
	OBS	00500	14.33	35.89	26.82		1514.5							
	OBS	00570	13.11	35.72	26.95		1511.5							
	OBS	00600	12.68	35.65	26.98		1510.5							
	OBS	00630	12.05	35.49	26.98		1508.6							
	OBS	00650	11.67	35.49	27.05		1507.6							
	OBS	00700	10.20	35.28	27.15		1503.0							
	OBS	00800	08.09	35.09	27.35		1496.5							
	OBS	00820	07.84	35.06	27.37		1495.9							
	OBS	00835	07.48	35.11	27.46		1494.8							
	OBS	00850	07.68	35.18	27.48		1495.9							
	OBS	00860	07.68	35.19	27.49		1496.1							
	OBS	00890	07.39	35.17	27.52		1495.5							
	OBS	00900	07.29	35.22	27.57		1495.3							
	OBS	01000	05.99	35.08	27.64		1491.6							
	OBS	01020	05.66	35.07	27.67		1490.6							
	OBS	01050	05.54	35.05	27.67		1490.6							
	OBS	01060	05.57	35.07	27.68		1490.9							
	OBS	01100	05.28	35.03	27.69		1490.4							
	OBS	01136	05.09	35.03	27.71		1490.2							
	OBS	01150	05.18	35.05	27.71		1490.8							
	OBS	01200	05.14	35.06	27.73		1491.5							
	OBS	01230	05.09	35.05	27.73		1491.8							
	OBS	01250	04.74	35.00	27.73		1490.6							
	OBS	01275	04.96	35.07	27.76		1492.1							
	OBS	01300	04.93	35.06	27.75		1492.3							
	OBS	01320	04.66	35.02	27.75		1491.5							
	OBS	01370	04.87	35.07	27.77		1493.3							
	OBS	01400	04.63	35.03	27.76		1492.7							
	OBS	01435	04.47	35.02	27.77		1492.6							
	OBS	01450	04.56	35.04	27.78		1493.3							
	OBS	01470	04.33	34.99	27.76		1492.6							
	OBS	01500	04.21	34.99	27.78		1492.6							

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REFID 31 8317 YEAR 1972 BOTDP 04388 AIR TEMP 20.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206
CONSEC 0035 MONTH 05 SHIP DG WET BULB 18.8 17 1 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2
LAT 34 57 N DAY 11 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 58 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 035 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	19.47	36.47	26.04		1522.4							
	OBS	00010	19.43	36.46	26.04		1522.4							
	OBS	00020	19.30	36.41	26.04		1522.2							
	OBS	00030	18.58	36.40	26.22		1520.3							
	OBS	00050	18.35	36.42	26.29		1520.0							
	OBS	00075	17.59	36.38	26.45		1518.2							
	OBS	00100	17.44	36.37	26.48		1518.1							
	OBS	00125	17.31	36.36	26.50		1518.2							
	OBS	00150	17.14	36.34	26.53		1518.0							
	OBS	00200	16.86	36.30	26.56		1518.0							
	OBS	00250	16.31	36.20	26.62		1517.0							
	OBS	00300	15.99	36.15	26.65		1516.8							
	OBS	00365	15.60	36.11	26.71		1516.6							
	OBS	00400	14.91	35.97	26.76		1514.9							
	OBS	00450	14.55	35.95	26.82		1514.5							
	OBS	00460	14.57	35.97	26.83		1514.8							
	OBS	00500	14.09	35.84	26.83		1513.7							
	OBS	00600	12.44	35.60	26.99		1509.6							
	OBS	00700	10.10	35.28	27.17		1502.6							
	OBS	00800	07.88	35.09	27.38		1495.7							
	OBS	00850	07.19	35.10	27.49		1493.9							
	OBS	00900	07.29	35.20	27.56		1495.3							
	OBS	00955	06.33	35.10	27.61		1492.3							
	OBS	01000	05.96	35.12	27.67		1491.6							
	OBS	01045	05.42	35.06	27.69		1490.1							
	OBS	01080	05.40	35.06	27.70		1490.6							
	OBS	01100	05.17	35.03	27.70		1489.9							
	OBS	01115	04.95	35.02	27.72		1489.3							
	OBS	01140	04.91	35.03	27.73		1489.5							
	OBS	01160	05.00	35.05	27.74		1490.3							
	OBS	01200	04.98	35.06	27.75		1490.9							
	OBS	01220	05.03	35.07	27.75		1491.4							
	OBS	01300	04.53	35.00	27.75		1490.6							
	OBS	01350	04.41	34.99	27.76		1490.9							
	OBS	01400	04.41	35.01	27.77		1491.8							
	OBS	01420	04.35	34.99	27.76		1491.9							
	OBS	01500	04.25	34.99	27.77		1492.8							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 04114 AIR TEMP 19.4 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0036 MONTH 05 SHIP DG WET BULB 18.0 21 2 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 04 N DAY 11 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 50 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 036 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	19.58	36.46	26.00		1522.7							
	OBS	00010	19.58	36.46	26.00		1522.9							
	OBS	00020	19.14	36.37	26.05		1521.7							
	OBS	00030	18.22	36.36	26.28		1519.2							
	OBS	00050	17.62	36.38	26.44		1517.9							
	OBS	00075	17.55	36.38	26.46		1518.1							
	OBS	00100	17.43	36.38	26.49		1518.1							
	OBS	00125	17.27	36.35	26.50		1518.0							
	OBS	00150	17.11	36.35	26.54		1518.0							
	OBS	00200	16.69	36.27	26.58		1517.4							
	OBS	00250	16.24	36.19	26.62		1516.8							
	OBS	00300	15.81	36.12	26.67		1516.2							
	OBS	00350	15.24	35.99	26.70		1515.1							
	OBS	00400	14.96	35.99	26.76		1515.0							
	OBS	00430	14.77	35.99	26.80		1514.9							
	OBS	00440	14.80	36.02	26.82		1515.2							
	OBS	00500	14.18	35.88	26.85		1514.1							
	OBS	00600	12.46	35.62	27.00		1509.7							
	OBS	00700	10.15	35.30	27.18		1502.8							
	OBS	00800	07.96	35.11	27.39		1496.1							
	OBS	00840	07.38	35.07	27.44		1494.5							
	OBS	00860	07.22	35.09	27.48		1494.2							
	OBS	00890	07.20	35.12	27.51		1494.7							
	OBS	00900	07.41	35.19	27.53		1495.7							
	OBS	00955	06.51	35.13	27.61		1493.0							
	OBS	00960	06.62	35.18	27.63		1493.6							
	OBS	00965	06.57	35.16	27.62		1493.5							
	OBS	01000	06.17	35.10	27.63		1492.4							
	OBS	01022	05.74	35.06	27.65		1491.0							
	OBS	01040	05.86	35.13	27.69		1491.9							
	OBS	01050	05.63	35.09	27.69		1491.0							
	OBS	01100	05.28	35.07	27.72		1490.4							
	OBS	01200	05.03	35.05	27.73		1491.1							
	OBS	01255	04.73	35.03	27.75		1490.7							
	OBS	01300	04.68	35.03	27.76		1491.3							
	OBS	01360	04.53	35.02	27.77		1491.6							
	OBS	01390	04.65	35.05	27.76		1492.7							
	OBS	01400	04.43	35.01	27.77		1491.9							
	OBS	01500	04.31	35.02	27.79		1493.1							

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REFID 31 8317 YEAR 1972 BOTDP 04389 AIR TEMP 16.0 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206
CONSEC 0037 MONTH 05 SHIP DG WET BULB 14.5 01 3 2 WIND-SPD 23 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1020.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 49 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E71 037 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	19.41	36.42	26.02		1522.2							
	OBS	00010	19.04	36.33	26.04		1521.2							
	OBS	00020	18.47	36.44	26.27		1519.9							
	OBS	00030	18.32	36.42	26.30		1519.6							
	OBS	00050	17.78	36.37	26.39		1518.3							
	OBS	00075	17.49	36.37	26.46		1517.9							
	OBS	00100	17.35	36.37	26.50		1517.9							
	OBS	00125	17.25	36.37	26.52		1518.0							
	OBS	00150	17.11	36.37	26.56		1518.0							
	OBS	00200	16.75	36.30	26.59		1517.7							
	OBS	00205	16.72	36.29	26.59		1517.6							
	OBS	00214	16.80	36.33	26.60		1518.1							
	OBS	00250	16.49	36.27	26.63		1517.7							
	OBS	00300	15.68	36.09	26.68		1515.8							
	OBS	00400	14.80	35.97	26.78		1514.5							
	OBS	00500	13.66	35.79	26.89		1512.2							
	OBS	00600	12.51	35.64	27.00		1509.9							
	OBS	00700	10.15	35.30	27.18		1502.8							
	OBS	00800	07.97	35.07	27.35		1496.1							
	OBS	00849	07.10	35.11	27.51		1493.6							
	OBS	00900	07.17	35.19	27.56		1494.8							
	OBS	00915	07.17	35.20	27.57		1495.1							
	OBS	01000	06.17	35.12	27.65		1492.4							
	OBS	01015	06.05	35.12	27.66		1492.2							
	OBS	01025	06.20	35.17	27.68		1493.0							
	OBS	01055	06.16	35.17	27.69		1493.4							
	OBS	01070	05.90	35.16	27.71		1492.6							
	OBS	01090	06.02	35.18	27.71		1493.4							
	OBS	01100	05.70	35.10	27.69		1492.2							
	OBS	01120	05.28	35.06	27.71		1490.8							
	OBS	01200	05.02	35.07	27.75		1491.0							
	OBS	01225	05.09	35.08	27.75		1491.8							
	OBS	01240	04.99	35.06	27.75		1491.6							
	OBS	01250	05.09	35.08	27.75		1492.2							
	OBS	01270	04.99	35.07	27.75		1492.1							
	OBS	01280	05.08	35.11	27.77		1492.7							
	OBS	01300	04.91	35.06	27.75		1492.3							
	OBS	01340	04.53	35.01	27.76		1491.3							
	OBS	01350	04.51	35.02	27.77		1491.4							
	OBS	01365	04.69	35.05	27.77		1492.4							
	OBS	01375	04.57	35.05	27.79		1492.1							
	OBS	01400	04.69	35.06	27.78		1493.0							
	OBS	01440	04.69	35.06	27.78		1493.7							
	OBS	01450	04.64	35.05	27.78		1493.6							
	OBS	01500	04.63	35.07	27.79		1494.5							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 05761 AIR TEMP 19.8 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206
CONSEC 0038 MONTH 05 SHIP DG WET BULB 17.0 19 3 2 WIND-SPD 02 TRACE DIR D 5 SQUARE 2
LAT 34 51 N DAY 13 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 50 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 038 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.3	OBS	00000	19.43	36.42	26.01		1522.2							
	OBS	00010	18.80	36.38	26.14		1520.6							
	OBS	00020	18.61	36.43	26.23		1520.3							
	OBS	00030	18.47	36.45	26.28		1520.1							
	OBS	00050	18.20	36.42	26.33		1519.6							
	OBS	00075	17.82	36.39	26.40		1518.9							
	OBS	00100	17.53	36.37	26.45		1518.4							
	OBS	00125	17.32	36.35	26.49		1518.2							
	OBS	00150	17.21	36.37	26.53		1518.3							
	OBS	00200	16.87	36.30	26.56		1518.0							
	OBS	00250	16.47	36.24	26.61		1517.6							
	OBS	00285	15.87	36.13	26.66		1516.2							
	OBS	00300	15.95	36.15	26.66		1516.7							
	OBS	00325	15.94	36.15	26.66		1517.1							
	OBS	00350	15.28	36.02	26.71		1515.3							
	OBS	00360	15.38	36.05	26.71		1515.8							
	OBS	00375	15.08	36.00	26.74		1515.0							
	OBS	00390	15.18	36.06	26.77		1515.7							
	OBS	00400	15.04	36.03	26.77		1515.3							
	OBS	00500	13.91	35.85	26.88		1513.1							
	OBS	00600	12.36	35.60	27.00		1509.3							
	OBS	00700	10.03	35.23	27.15		1502.3							
	OBS	00770	08.56	35.15	27.33		1497.9							
	OBS	00780	08.44	35.16	27.35		1497.6							
	OBS	00790	08.50	35.20	27.37		1498.1							
	OBS	00800	08.39	35.19	27.38		1497.8							
	OBS	00955	07.64	35.18	27.49		1495.9							
	OBS	00900	07.41	35.22	27.55		1495.8							
	OBS	00930	07.25	35.21	27.57		1495.6							
	OBS	00955	06.87	35.15	27.58		1494.5							
	OBS	00970	06.52	35.15	27.62		1493.4							
	OBS	00990	06.62	35.21	27.66		1494.2							
	OBS	01000	06.36	35.17	27.66		1493.2							
	OBS	01055	05.81	35.12	27.69		1491.9							
	OBS	01070	06.11	35.19	27.71		1493.4							
	OBS	01100	05.54	35.09	27.70		1491.5							
	OBS	01110	05.47	35.09	27.71		1491.4							
	OBS	01120	05.52	35.11	27.72		1491.8							
	OBS	01200	05.12	35.07	27.74		1491.5							
	OBS	01220	05.03	35.07	27.75		1491.4							
	OBS	01240	05.07	35.09	27.76		1491.9							
	OBS	01255	04.99	35.09	27.77		1491.9							
	OBS	01290	05.23	35.14	27.78		1493.5							
	OBS	01300	05.19	35.13	27.78		1493.5							
	OBS	01350	04.70	35.05	27.77		1492.2							
	OBS	01400	04.48	35.03	27.78		1492.1							
	OBS	01500	04.33	35.02	27.79		1493.2							

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REFID 31 8317 YEAR 1972 BOTDP 04846 AIR TEMP 18.6 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206
CONSEC 0039 MONTH 05 SHIP DG WET BULB 15.5 31 1 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 34 47 N DAY 14 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 04 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 039 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	19.41	36.45	26.04		1522.2							
	OBS	00010	19.33	36.44	26.05		1522.1							
	OBS	00020	18.74	36.41	26.18		1520.6							
	OBS	00030	18.22	36.39	26.30		1519.3							
	OBS	00050	17.76	36.39	26.41		1518.3							
	OBS	00075	17.48	36.38	26.47		1517.9							
	OBS	00100	17.43	36.38	26.49		1518.1							
	OBS	00125	17.36	36.37	26.50		1518.3							
	OBS	00150	17.27	36.37	26.52		1518.5							
	OBS	00200	16.97	36.33	26.56		1518.3							
	OBS	00250	16.51	36.25	26.61		1517.7							
	OBS	00300	16.05	36.17	26.65		1517.0							
	OBS	00380	15.39	36.03	26.70		1516.1							
	OBS	00390	15.33	36.07	26.74		1516.1							
	OBS	00400	15.45	36.10	26.74		1516.7							
	OBS	00500	14.14	35.98	26.85		1513.9							
	OBS	00600	12.51	35.60	26.97		1509.8							
	OBS	00700	10.15	35.24	27.13		1502.7							
	OBS	00715	09.70	35.18	27.16		1501.3							
	OBS	00740	09.31	35.25	27.28		1500.3							
	OBS	00750	09.16	35.22	27.28		1499.9							
	OBS	00800	08.48	35.20	27.38		1498.2							
	OBS	00900	07.54	35.21	27.53		1496.3							
	OBS	01000	06.51	35.17	27.64		1493.8							
	OBS	01010	06.32	35.13	27.63		1493.2							
	OBS	01100	05.49	35.08	27.70		1491.3							
	OBS	01140	05.37	35.10	27.73		1491.5							
	OBS	01160	05.44	35.11	27.73		1492.1							
	OBS	01200	05.26	35.09	27.74		1492.0							
	OBS	01240	05.24	35.11	27.76		1492.7							
	OBS	01280	05.12	35.10	27.76		1492.8							
	OBS	01300	05.14	35.12	27.77		1493.3							
	OBS	01320	05.20	35.13	27.78		1493.9							
	OBS	01400	05.00	35.11	27.78		1494.4							
	OBS	01500	04.67	35.07	27.79		1494.6							

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TABLE L.—Continued

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:EFID  31  8317     YEAR 1972    BOTDP 03658    AIR TEMP   18.5    DIR HGT PER     WIND-DIR 02    INST STD RECORDER      TEN SQ 1206
:ONSEC      0040    MONTH  05    SHIP DG        WET BULB   14.5      02  2   2     WIND-SPD 06    TRACE DIR          D   5 SQUARE   2
:AT    34 52  N     DAY    14    DATA USE  1    BAROMETR 1022.0    SEA              WIND-FOR       DURATION       00.3   2 SQUARE  48
:ONG  048 10  W     HOUR 23.9    AREA      05   CLOUD T/A          CL/TP            WEATHER  X1    ORIG E71 040          1 SQUARE  48

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4  TOT P   NO2   NO3   SIO3   PH

        23.9   OBS      00000     19.61     36.44     25.98               1522.8
               OBS      00010     19.58     36.46     26.00               1522.9
               OBS      00020     19.41     36.42     26.02               1522.5
               OBS      00030     18.64     36.32     26.14               1520.4
               OBS      00050     18.06     36.40     26.35               1519.2
               OBS      00075     17.79     36.39     26.41               1518.8
               OBS      00100     17.55     36.39     26.46               1518.5
               OBS      00125     17.43     36.38     26.49               1518.5
               OBS      00150     17.28     36.36     26.51               1518.5
               OBS      00200     16.91     36.32     26.57               1518.2
               OBS      00250     16.76     36.28     26.57               1518.5
               OBS      00300     16.34     36.25     26.65               1518.0
               OBS      00400     15.05     36.04     26.78               1515.4
               OBS      00500     13.80     35.81     26.87               1512.7
               OBS      00600     12.65     35.62     26.96               1510.3
               OBS      00700     10.39     35.34     27.17               1503.7
               OBS      00800     08.58     35.20     27.36               1498.5
               OBS      00855     07.49     35.09     27.44               1495.2
               OBS      00880     06.98     35.13     27.54               1493.6
               OBS      00900     06.68     35.10     27.56               1492.8
               OBS      01000     05.76     35.07     27.66               1490.7
               OBS      01070     05.09     35.02     27.70               1489.1
               OBS      01100     04.96     35.01     27.71               1489.0
               OBS      01200     04.71     35.00     27.73               1489.7
               OBS      01230     04.63     35.01     27.75               1489.9
               OBS      01250     04.71     35.03     27.75               1490.6
               OBS      01300     04.57     35.01     27.75               1490.8
               OBS      01320     04.55     35.02     27.76               1491.1
               OBS      01380     04.88     35.08     27.77               1493.5
               OBS      01400     04.73     35.06     27.78               1493.2
               OBS      01460     04.77     35.07     27.78               1494.4
               OBS      01500     04.60     35.08     27.81               1494.4

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:EFID  31  8317     YEAR 1972    BOTDP 05486    AIR TEMP   19.7    DIR HGT PER     WIND-DIR 07    INST STD RECORDER      TEN SQ 1206
:ONSEC      0041    MONTH  05    SHIP DG        WET BULB   18.2      07  2   3     WIND-SPD 17    TRACE DIR          D   5 SQUARE   4
:AT    36 42  N     DAY    16    DATA USE  1    BAROMETR 1027.2    SEA              WIND-FOR       DURATION       00.3   2 SQUARE  68
:ONG  049 52  W     HOUR 11.8    AREA      05   CLOUD T/A          CL/TR            WEATHER  X1    ORIG EEN 01E          1 SQUARE  69

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4  TOT P   NO2   NO3   SIO3   PH

        11.8   OBS      00000     18.77     36.46     26.21               1520.4
               OBS      00010     18.77     36.46     26.21               1520.6
               OBS      00020     18.76     36.46     26.22               1520.7
               OBS      00030     18.74     36.46     26.22               1520.8
               OBS      00050     18.68     36.46     26.24               1521.0
               OBS      00075     18.34     36.44     26.31               1520.4
               OBS      00100     18.10     36.43     26.36               1520.1
               OBS      00125     17.99     36.43     26.39               1520.2
               OBS      00150     17.92     36.43     26.40               1520.4
               OBS      00200     17.75     36.42     26.44               1520.8
               OBS      00250     17.70     36.42     26.45               1521.4
               OBS      00300     17.65     36.42     26.46               1522.1
               OBS      00355     17.54     36.40     26.47               1522.7
               OBS      00370     17.59     36.43     26.49               1523.1
               OBS      00400     17.39     36.41     26.52               1523.0
               OBS      00450     17.05     36.35     26.56               1522.7
               OBS      00500     16.97     36.34     26.57               1523.3
               OBS      00540     16.56     36.23     26.58               1522.6
               OBS      00550     16.66     36.28     26.59               1523.1
               OBS      00560     16.57     36.27     26.61               1523.0
               OBS      00600     16.07     36.16     26.64               1522.0
               OBS      00700     14.30     35.87     26.81               1517.7
               OBS      00800     11.90     35.49     27.01               1510.9
               OBS      00850     10.76     35.36     27.12               1507.6
               OBS      00900     08.68     35.01     27.20               1500.3
               OBS      00915     08.37     34.95     27.20               1499.3
               OBS      00940     08.05     34.99     27.28               1498.6
               OBS      00950     08.08     35.00     27.28               1498.9
               OBS      00980     07.17     34.96     27.37               1495.9
               OBS      01000     07.18     35.00     27.41               1496.2
               OBS      01035     06.88     35.01     27.46               1495.7
               OBS      01040     07.01     35.09     27.51               1496.4
               OBS      01100     06.30     35.05     27.57               1494.5
               OBS      01150     06.14     35.07     27.61               1494.7
               OBS      01200     05.75     35.07     27.66               1494.0
               OBS      01300     05.44     35.09     27.72               1494.5
               OBS      01400     05.03     35.08     27.76               1494.4
               OBS      01500     04.83     35.07     27.77               1495.3

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TABLE LI.–Observed and interpolated oceanographic data for stations taken by USCGC SHERMAN at Ocean Station ECHO, 17 May 1972 - 10 June 1972, prepared from NODC listing No. 31 - 8322.

REFID 31 8322	YEAR 1972	BOTDP 02377	AIR TEMP 12.2	DIR HGT PER	#IND-DIR 20	INST STD RECORDER	TEN SQ 1308
CONSEC 0001	MONTH 05	SHIP LH	WET BULB 10.5	20 0 2	#IND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 41 30.3N	DAY 14	DATA USE 1	BAROMETR 1027.2	SEA	#IND-FOR	DURATION 00.5	2 SQUARE 04
LONG 065 25 W	HOUR 16.4	AREA 05	CLOUD T/A	CL/TR	#EATHER X0	ORIG EEN 01E	1 SQUARE 15

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.4	OBS	00000	07.22	32.49	25.44		1476.0							
	OBS	00010	06.38	32.78	25.78		1473.8							
	OBS	00020	06.43	32.90	25.86		1474.4							
	OBS	00030	07.22	33.32	26.09		1478.2							
	OBS	00040	07.41	33.44	26.16		1479.3							
	OBS	00050	07.31	33.55	26.26		1479.2							
	OBS	00060	07.25	33.66	26.35		1479.3							
	OBS	00075	07.54	33.93	26.52		1481.0							
	OBS	00100	09.15	34.57	26.78		1484.3							
	OBS	00110	09.70	34.78	26.85		1485.8							
	OBS	00116	09.04	34.69	26.89		1488.4							
	OBS	00125	09.39	34.90	27.00		1490.1							
	OBS	00150	09.43	34.95	27.03		1490.7							
	OBS	00175	09.57	35.00	27.04		1491.7							
	OBS	00200	09.14	35.03	27.13		1490.7							
	OBS	00230	08.82	35.05	27.21		1489.9							
	OBS	00250	08.17	35.00	27.27		1487.7							
	OBS	00300	07.63	35.01	27.36		1486.4							
	OBS	00400	06.24	34.93	27.49		1482.5							
	OBS	00500	05.63	34.98	27.60		1481.8							
	OBS	00560	05.00	34.94	27.65		1480.2							
	OBS	00600	04.93	34.96	27.67		1480.6							
	OBS	00700	04.81	34.98	27.70		1481.8							
	OBS	00800	04.55	34.97	27.72		1482.3							
	OBS	00830	04.50	34.97	27.73		1482.6							
	OBS	00840	04.59	35.01	27.75		1483.2							
	OBS	00900	04.42	34.99	27.75		1483.5							
	OBS	01000	04.31	34.99	27.77		1484.7							
	OBS	01100	04.15	34.98	27.78		1485.7							
	OBS	01200	04.10	34.98	27.78		1487.1							
	OBS	01300	04.00	34.98	27.79		1488.4							
	OBS	01400	03.94	34.98	27.80		1489.8							
	OBS	01500	03.87	34.98	27.81		1491.2							

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REFID 31 8322	YEAR 1972	BOTDP 04938	AIR TEMP 16.6	DIR HGT PER	#IND-DIR 18	INST STD RECORDER	TEN SQ 1207
CONSEC 0002	MONTH 05	SHIP LH	WET BULB 11.6	18 2 2	#IND-SPD 18	TRACE DIR 0	5 SQUARE 4
LAT 39 34 N	DAY 15	DATA USE 1	BAROMETR 1032.7	SEA	#IND-FOR	DURATION 00.6	2 SQUARE 88
LONG 059 08 W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	ORIG EEN 02E	1 SQUARE 99

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	19.97	36.40	25.85		1523.7							
	OBS	00010	19.97	36.40	25.85		1523.9							
	OBS	00020	19.97	36.40	25.85		1524.0							
	OBS	00030	19.92	36.40	25.87		1524.0							
	OBS	00040	18.98	36.35	26.08		1521.6							
	OBS	00045	19.22	36.56	26.17		1522.0							
	OBS	00050	19.05	36.53	26.14		1522.1							
	OBS	00075	18.37	36.48	26.33		1520.6							
	OBS	00100	18.14	36.46	26.37		1520.3							
	OBS	00125	17.97	36.45	26.41		1520.2							
	OBS	00150	17.94	36.48	26.44		1520.6							
	OBS	00200	17.69	36.45	26.48		1520.6							
	OBS	00220	17.55	36.42	26.49		1520.5							
	OBS	00230	17.73	36.52	26.52		1521.3							
	OBS	00250	17.62	36.49	26.52		1521.3							
	OBS	00300	17.38	36.46	26.56		1521.4							
	OBS	00400	16.59	36.51	26.64		1520.4							
	OBS	00448	15.33	36.01	26.69		1517.0							
	OBS	00500	14.91	35.99	26.77		1516.5							
	OBS	00600	13.03	35.70	26.95		1511.7							
	OBS	00700	10.67	35.36	27.13		1504.8							
	OBS	00800	08.34	35.13	27.34		1497.6							
	OBS	00900	06.70	35.06	27.53		1492.8							
	OBS	01000	05.76	35.07	27.66		1490.7							
	OBS	01040	05.08	35.02	27.70		1489.4							
	OBS	01100	05.17	35.06	27.72		1490.0							
	OBS	01200	04.73	35.02	27.74		1489.8							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	01400	04.23	35.00	27.78		1491.3							
	OBS	01500	04.19	35.01	27.80		1492.6							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 05271 AIR TEMP 16.0 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1207
CONSEC 0003 MONTH 05 SHIP IH WET BULB 10.7 09 3 2 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4
LAT 38 25 N DAY 16 DATA USE 1 BAROMETR 1033.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 84
LONG 055 29 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG EEN 03E 1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	20.02	36.46	25.89		1523.9							
	OBS	00010	19.87	36.45	25.92		1523.6							
	OBS	00020	19.82	36.45	25.93		1523.7							
	OBS	00030	19.80	36.45	25.94		1523.8							
	OBS	00050	18.50	36.39	26.23		1520.4							
	OBS	00062	18.31	36.43	26.32		1520.1							
	OBS	00075	18.35	36.51	26.36		1520.5							
	OBS	00085	18.13	36.44	26.36		1520.0							
	OBS	00100	18.04	36.44	26.38		1520.0							
	OBS	00125	18.00	36.45	26.40		1520.3							
	OBS	00150	17.86	36.45	26.43		1520.3							
	OBS	00200	17.71	36.49	26.50		1520.7							
	OBS	00250	17.49	36.47	26.54		1520.9							
	OBS	00300	17.15	36.40	26.57		1520.6							
	OBS	00400	16.18	36.19	26.64		1519.1							
	OBS	00500	14.81	35.98	26.79		1516.2							
	OBS	00600	12.60	35.63	26.98		1510.2							
	OBS	00700	10.20	35.29	27.16		1503.0							
	OBS	00800	08.11	35.10	27.36		1496.6							
	OBS	00900	06.40	35.02	27.54		1491.5							
	OBS	01000	05.70	35.03	27.64		1490.4							
	OBS	01100	05.13	35.02	27.70		1489.8							
	OBS	01200	04.82	35.01	27.73		1490.1							
	OBS	01300	04.54	35.00	27.75		1490.7							
	OBS	01400	04.34	35.00	27.77		1491.5							
	OBS	01500	04.20	35.00	27.79		1492.6							

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REFID 31 8322 YEAR 1972 BOTDP 05200 AIR TEMP 19.3 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0004 MONTH 05 SHIP IH WET BULB 18.0 10 3 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4
LAT 36 05 N DAY 17 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 00.6 2 SQUARE 68
LONG 049 21 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 001 1 SQUARE 69

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	19.24	36.47	26.10		1521.8							
	OBS	00010	19.22	36.48	26.11		1521.9							
	OBS	00020	19.20	36.48	26.12		1522.0							
	OBS	00030	19.10	36.45	26.12		1521.8							
	OBS	00050	18.40	36.45	26.30		1520.2							
	OBS	00075	18.20	36.46	26.36		1520.0							
	OBS	00100	17.99	36.47	26.42		1519.9							
	OBS	00125	17.89	36.47	26.44		1520.0							
	OBS	00150	17.78	36.46	26.46		1520.1							
	OBS	00200	17.62	36.46	26.50		1520.4							
	OBS	00250	17.51	36.47	26.54		1520.9							
	OBS	00300	17.26	36.43	26.57		1521.0							
	OBS	00400	16.74	36.33	26.61		1520.9							
	OBS	00500	15.67	36.13	26.71		1519.1							
	OBS	00520	15.43	36.08	26.73		1518.6							
	OBS	00600	13.60	35.90	26.91		1513.7							
	OBS	00670	11.77	35.50	27.04		1508.3							
	OBS	00700	11.12	35.43	27.11		1506.4							
	OBS	00800	08.92	35.16	27.28		1499.8							
	OBS	00900	06.89	35.05	27.49		1493.5							
	OBS	01000	05.90	35.05	27.63		1491.2							
	OBS	01030	05.73	35.04	27.64		1491.0							
	OBS	01041	05.81	35.09	27.67		1491.6							
	OBS	01070	05.70	35.09	27.68		1491.7							
	OBS	01090	05.26	35.02	27.68		1490.1							
	OBS	01100	05.38	35.07	27.71		1490.8							
	OBS	01115	05.54	35.11	27.72		1491.8							
	OBS	01200	05.27	35.09	27.74		1492.1							
	OBS	01250	04.82	35.04	27.75		1491.0							
	OBS	01300	04.87	35.07	27.77		1492.1							
	OBS	01400	04.43	35.01	27.77		1491.9							
	OBS	01500	04.17	35.00	27.79		1492.5							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 04023	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0005	MONTH 05	SHIP 1M	WET BULB 18.1	10 5 3	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 35 05 N	DAY 17	DATA USE 1	BAROMETR 1027.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 06 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	19.07	36.46	26.14		1521.3							
	OBS	00010	19.05	36.46	26.14		1521.4							
	OBS	00020	19.05	36.47	26.15		1521.6							
	OBS	00030	19.05	36.47	26.15		1521.7							
	OBS	00050	19.03	36.47	26.15		1522.0							
	OBS	00075	18.79	36.44	26.19		1521.7							
	OBS	00100	17.74	36.40	26.43		1519.1							
	OBS	00125	17.49	36.41	26.49		1518.7							
	OBS	00150	17.40	36.41	26.52		1518.9							
	OBS	00185	16.91	36.31	26.56		1517.9							
	OBS	00195	17.03	36.37	26.58		1518.5							
	OBS	00200	16.94	36.34	26.57		1518.3							
	OBS	00250	16.43	36.27	26.64		1517.5							
	OBS	00300	15.92	36.18	26.69		1516.6							
	OBS	00400	14.95	36.02	26.79		1515.0							
	OBS	00410	14.82	36.01	26.81		1514.8							
	OBS	00430	14.81	36.04	26.83		1515.1							
	OBS	00500	13.60	35.80	26.91		1512.1							
	OBS	00600	12.14	35.60	27.05		1508.6							
	OBS	00700	09.91	35.26	27.19		1501.9							
	OBS	00800	08.00	35.16	27.42		1496.3							
	OBS	00900	06.78	35.13	27.57		1493.2							
	OBS	01000	06.08	35.13	27.67		1492.1							
	OBS	01040	05.98	35.14	27.69		1492.4							
	OBS	01070	05.18	35.03	27.70		1489.5							
	OBS	01100	05.38	35.08	27.71		1490.9							
	OBS	01200	04.80	35.02	27.74		1490.1							
	OBS	01220	04.74	35.01	27.73		1490.1							
	OBS	01240	04.81	35.03	27.74		1490.6							
	OBS	01260	04.65	35.02	27.75		1490.5							
	OBS	01280	04.76	35.05	27.76		1491.3							
	OBS	01300	04.58	35.01	27.75		1490.8							
	OBS	01400	04.40	35.01	27.77		1491.8							
	OBS	01500	04.23	35.01	27.79		1492.7							

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REFID 31 8322	YEAR 1972	BOTDP 04480	AIR TEMP 19.3	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 05	SHIP 1M	WET BULB 18.0	10 3 2	WIND-SPD 18	TRACE DIR D	5 SQUARE 4
LAT 35 00 N	DAY 17	DATA USE 1	BAROMETR 1028.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	18.97	36.46	26.16		1521.0							
	OBS	00010	18.60	36.43	26.23		1520.1							
	OBS	00020	17.57	36.41	26.47		1517.3							
	OBS	00030	17.50	36.41	26.49		1517.2							
	OBS	00050	17.48	36.42	26.50		1517.5							
	OBS	00075	17.46	36.42	26.51		1517.9							
	OBS	00100	17.45	36.41	26.50		1518.2							
	OBS	00125	17.41	36.41	26.51		1518.5							
	OBS	00150	17.22	36.37	26.53		1518.3							
	OBS	00200	16.97	36.36	26.58		1518.4							
	OBS	00250	16.46	36.23	26.60		1517.5							
	OBS	00300	16.04	36.22	26.69		1517.0							
	OBS	00400	14.83	36.01	26.81		1514.7							
	OBS	00500	13.25	35.75	26.94		1510.8							
	OBS	00590	11.53	35.51	27.09		1506.2							
	OBS	00593	11.58	35.54	27.11		1506.4							
	OBS	00600	11.53	35.54	27.12		1506.4							
	OBS	00700	09.25	35.25	27.29		1499.5							
	OBS	00800	07.36	35.14	27.50		1493.8							
	OBS	00850	06.67	35.13	27.59		1491.9							
	OBS	00860	06.70	35.15	27.60		1492.2							
	OBS	00890	06.44	35.11	27.60		1491.7							
	OBS	00900	06.28	35.12	27.63		1491.2							
	OBS	00935	06.32	35.16	27.66		1492.0							
	OBS	00950	06.24	35.16	27.67		1491.9							
	OBS	00990	05.44	35.05	27.68		1489.2							
	OBS	00995	05.68	35.11	27.70		1490.4							
	OBS	01000	05.48	35.06	27.69		1489.6							
	OBS	01010	05.34	35.07	27.71		1489.2							
	OBS	01020	05.39	35.08	27.71		1489.6							
	OBS	01030	05.22	35.06	27.72		1489.0							
	OBS	01045	05.38	35.08	27.71		1489.9							
	OBS	01057	05.01	35.03	27.72		1488.6							
	OBS	01100	04.81	35.02	27.73		1488.4							
	OBS	01120	04.85	35.04	27.75		1489.0							
	OBS	01200	04.67	35.03	27.76		1489.6							
	OBS	01215	04.58	35.03	27.77		1489.4							
	OBS	01240	04.60	35.03	27.77		1489.9							
	OBS	01280	04.48	35.03	27.78		1490.1							
	OBS	01300	04.54	35.03	27.77		1490.7							
	OBS	01370	04.39	35.03	27.79		1491.2							
	OBS	01400	04.43	35.04	27.79		1491.9							
	OBS	01418	04.21	35.02	27.80		1491.3							
	OBS	01460	04.24	35.02	27.80		1492.1							
	OBS	01500	04.10	35.00	27.80		1492.2							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 04206 AIR TEMP 20.1 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206
CONSEC 0007 MONTH 05 SHIP IH WET BULB 18.0 10 5 4 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 18 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 00 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	19.12	36.47	26.13		1521.4							
	OBS	00010	19.08	36.47	26.14		1521.5							
	OBS	00020	18.60	36.43	26.23		1520.3							
	OBS	00030	18.15	36.43	26.35		1519.1							
	OBS	00050	17.66	36.39	26.44		1518.0							
	OBS	00075	17.30	36.37	26.51		1517.3							
	OBS	00100	17.12	36.35	26.54		1517.2							
	OBS	00125	16.97	36.33	26.56		1517.1							
	OBS	00150	16.87	36.34	26.59		1517.2							
	OBS	00200	16.47	36.29	26.65		1516.8							
	OBS	00212	16.25	36.22	26.64		1516.2							
	OBS	00250	16.10	36.21	26.67		1516.4							
	OBS	00300	15.50	36.11	26.73		1515.2							
	OBS	00400	14.50	35.96	26.84		1513.5							
	OBS	00500	13.21	35.76	26.96		1510.7							
	OBS	00540	12.78	35.70	27.00		1509.9							
	OBS	00550	12.56	35.66	27.01		1509.2							
	OBS	00600	11.68	35.51	27.06		1506.9							
	OBS	00700	09.09	35.22	27.30		1498.8							
	OBS	00800	07.82	35.11	27.41		1495.5							
	OBS	00824	07.77	35.17	27.46		1495.8							
	OBS	00900	06.47	35.11	27.60		1491.9							
	OBS	00967	05.49	35.01	27.65		1489.0							
	OBS	00985	05.46	35.04	27.67		1489.2							
	OBS	01000	05.91	35.15	27.70		1491.4							
	OBS	01100	05.07	35.03	27.71		1489.5							
	OBS	01144	05.02	35.05	27.73		1490.1							
	OBS	01184	04.84	35.03	27.74		1490.0							
	OBS	01200	04.90	35.05	27.75		1490.5							
	OBS	01225	04.98	35.07	27.75		1491.3							
	OBS	01230	04.76	35.03	27.75		1490.4							
	OBS	01257	04.73	35.05	27.77		1490.8							
	OBS	01268	04.83	35.07	27.77		1491.4							
	OBS	01300	04.69	35.05	27.77		1491.3							
	OBS	01338	04.57	35.03	27.77		1491.5							
	OBS	01355	04.63	35.02	27.78		1491.1							
	OBS	01400	04.35	35.01	27.78		1491.6							
	OBS	01434	04.28	35.01	27.79		1491.8							
	OBS	01470	04.37	35.03	27.79		1492.8							
	OBS	01500	04.31	35.03	27.80		1493.1							

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REFID 31 8322 YEAR 1972 BOTDP 03931 AIR TEMP 19.5 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206
CONSEC 0008 MONTH 05 SHIP IH WET BULB 17.9 10 4 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 03 N DAY 19 DATA USE 1 BAROMETR 1029.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 53 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	19.14	36.47	26.13		1521.5							
	OBS	00010	19.07	36.47	26.14		1521.5							
	OBS	00020	18.93	36.47	26.18		1521.2							
	OBS	00030	18.83	36.47	26.21		1521.1							
	OBS	00050	17.91	36.40	26.38		1518.7							
	OBS	00075	17.54	36.41	26.48		1518.1							
	OBS	00100	17.46	36.41	26.50		1518.2							
	OBS	00125	17.39	36.40	26.51		1518.4							
	OBS	00150	17.26	36.38	26.53		1518.4							
	OBS	00200	16.96	36.37	26.59		1519.4							
	OBS	00250	16.43	36.28	26.65		1517.5							
	OBS	00350	15.20	36.05	26.75		1515.0							
	OBS	00400	14.79	36.03	26.83		1514.6							
	OBS	00500	13.30	35.76	26.94		1511.0							
	OBS	00530	12.94	35.73	26.99		1510.3							
	OBS	00590	11.85	35.57	27.08		1507.4							
	OBS	00600	11.79	35.55	27.07		1507.3							
	OBS	00620	11.04	35.44	27.13		1504.9							
	OBS	00700	09.59	35.29	27.27		1500.8							
	OBS	00760	08.11	35.15	27.39		1496.0							
	OBS	00800	07.56	35.14	27.47		1494.6							
	OBS	00850	07.03	35.11	27.52		1493.3							
	OBS	00900	06.66	35.14	27.60		1492.7							
	OBS	00962	05.52	35.02	27.65		1489.0							
	OBS	01000	05.43	35.02	27.66		1489.3							
	OBS	01010	05.32	35.01	27.67		1489.0							
	OBS	01030	05.33	35.03	27.68		1489.4							
	OBS	01048	05.04	35.00	27.69		1488.5							
	OBS	01055	05.19	35.05	27.71		1489.3							
	OBS	01066	05.07	35.03	27.71		1489.0							
	OBS	01077	05.36	35.10	27.73		1490.4							
	OBS	01091	05.00	35.08	27.76		1489.2							
	OBS	01100	05.43	35.13	27.75		1491.1							
	OBS	01140	05.13	35.07	27.74		1490.5							
	OBS	01153	05.36	35.12	27.75		1491.7							
	OBS	01200	05.24	35.11	27.76		1492.0							
	OBS	01220	05.17	35.10	27.76		1492.0							
	OBS	01242	04.84	35.05	27.75		1491.0							
	OBS	01257	05.04	35.09	27.76		1492.1							
	OBS	01272	04.62	35.02	27.76		1490.5							
	OBS	01300	04.57	35.02	27.76		1490.8							
	OBS	01330	04.51	35.03	27.78		1491.1							
	OBS	01350	04.65	35.05	27.78		1492.0							
	OBS	01380	04.63	35.05	27.78		1492.4							
	OBS	01400	04.57	35.05	27.79		1492.5							
	OBS	01420	04.58	35.05	27.78		1492.9							
	OBS	01500	04.36	35.03	27.79		1493.3							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 04480	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1206
CONSEC C009	MONTH 05	SHIP 1M	WET BULB 17.8	11 5 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 19	DATA USE 1	BAROMETR 1029.2	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 66
LONG 047 55 W	HOUR 11.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 006	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	19.33	36.46	26.07		1522.0							
	OBS	00010	19.10	36.43	26.11		1521.5							
	OBS	00020	17.62	36.41	26.46		1517.4							
	OBS	00030	17.48	36.41	26.50		1517.2							
	OBS	00050	17.44	36.41	26.51		1517.4							
	OBS	00075	17.35	36.39	26.51		1517.5							
	OBS	00100	17.25	36.38	26.53		1517.6							
	OBS	00125	17.06	36.37	26.57		1517.4							
	OBS	00150	16.95	36.36	26.59		1517.5							
	OBS	00175	16.83	36.34	26.60		1517.5							
	OBS	00200	16.56	36.30	26.63		1517.1							
	OBS	00250	16.01	36.21	26.69		1516.1							
	OBS	00300	15.52	36.11	26.73		1515.3							
	OBS	00400	14.30	35.92	26.85		1512.8							
	OBS	00500	13.23	35.75	26.94		1510.8							
	OBS	00600	11.13	35.43	27.10		1504.8							
	OBS	00700	08.68	35.17	27.32		1497.2							
	OBS	00800	07.36	35.14	27.50		1493.8							
	OBS	00900	06.73	35.21	27.64		1493.1							
	OBS	00950	06.51	35.22	27.68		1493.1							
	OBS	01000	06.02	35.18	27.71		1491.9							
	OBS	01020	05.54	35.10	27.71		1490.2							
	OBS	01100	05.11	35.07	27.74		1489.7							
	OBS	01200	04.98	35.08	27.76		1490.9							
	OBS	01220	04.84	35.06	27.76		1490.6							
	OBS	01242	04.93	35.09	27.78		1491.4							
	OBS	01285	04.68	35.06	27.78		1491.1							
	OBS	01300	04.74	35.07	27.78		1491.6							
	OBS	01400	04.48	35.05	27.80		1492.1							
	OBS	01470	04.56	35.07	27.80		1493.7							
	OBS	01500	04.43	35.06	27.81		1493.6							
	OBS	01508	04.24	35.03	27.81		1492.9							
	OBS	01560	04.39	35.06	27.81		1494.5							
	OBS	01600	04.22	35.03	27.81		1494.4							
	OBS	01660	04.08	35.02	27.82		1494.8							
	OBS	01700	04.15	35.04	27.82		1495.8							
	OBS	01740	03.90	35.01	27.83		1495.4							
	OBS	01750	03.98	35.02	27.83		1495.9							
	OBS	01800	03.86	35.00	27.82		1496.2							
	OBS	02000	03.63	34.99	27.84		1498.7							
	OBS	02320	03.37	34.98	27.86		1503.0							
	OBS	02500	03.31	34.99	27.87		1505.8							
	OBS	02600	03.25	34.98	27.87		1507.3							
	OBS	03000	02.87	34.95	27.88		1512.5							

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REFID 31 8322	YEAR 1972	BOTDP 03840	AIR TEMP 20.7	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1206
CONSEC 0010	MONTH 05	SHIP 1M	WET BULB 18.3	13 4 3	WIND-SPD 06	TRACE DIR	5 SQUARE 4
LAT 35 02 N	DAY 20	DATA USE 1	BAROMETR 1030.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 12.4	AREA 05	CLOUD T/A 2/7	CL/TR /30	WEATHER X1	ORIG E72 007	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	19.39	36.516	26.10		1522.2							
12.4	OBS	00022	19.02	36.463	26.15		1521.3							
12.4	OBS	00045	18.70	36.460	26.23		1521.0							
12.4	OBS	00067	17.57	36.436	26.49		1518.1							
12.4	OBS	00090	17.48	36.436	26.52		1518.2							
12.4	OBS	00135	17.43	36.428	26.52		1518.8							
12.4	OBS	T00185	17.23	36.399	26.55		1519.0							
12.4	OBS	00275	16.51	36.278	26.63		1518.1							
12.4	OBS	T00366	15.70	36.161	26.73		1517.0							
12.4	OBS	00461	14.37	35.942	26.85		1514.1							
12.4	OBS	T00551	13.27	35.770	26.95		1511.8							
12.4	OBS	T00732	09.28	35.240	27.28		1500.1							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 01829	AIR TEMP 19.8	DIR PGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 05	SHIP 1H	WET BULB 17.8	13 2 3	WIND-SPD 00	TRACE DIR D	5 SQUARE 4
LAT 35 07 N	DAY 20	DATA USE 1	BAROMETR 1031.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 03 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 008	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00000	20.09	36.46	25.67		1524.1							
	OBS	00010	19.19	36.43	26.08		1521.7							
	OBS	00020	18.74	36.40	26.17		1520.6							
	OBS	00030	18.50	36.38	26.22		1520.1							
	OBS	00040	18.04	36.39	26.34		1518.9							
	OBS	00050	17.67	36.39	26.44		1518.0							
	OBS	00075	17.58	36.41	26.47		1518.2							
	OBS	00100	17.44	36.39	26.49		1518.2							
	OBS	00125	17.38	36.39	26.51		1518.4							
	OBS	00150	17.27	36.37	26.52		1518.5							
	OBS	00160	17.29	36.38	26.52		1518.7							
	OBS	00200	17.01	36.35	26.56		1518.5							
	OBS	00250	16.74	36.31	26.60		1518.5							
	OBS	00300	16.22	36.21	26.64		1517.6							
	OBS	00370	15.22	36.05	26.75		1515.4							
	OBS	00400	14.88	35.99	26.78		1514.8							
	OBS	00500	13.62	35.79	26.89		1512.1							
	OBS	00560	12.46	35.59	26.98		1509.0							
	OBS	00570	12.33	35.60	27.01		1508.7							
	OBS	00579	12.14	35.56	27.01		1508.2							
	OBS	00590	12.06	35.58	27.05		1508.1							
	OBS	00600	11.97	35.56	27.05		1507.9							
	OBS	00635	11.17	35.44	27.11		1505.6							
	OBS	00653	11.13	35.44	27.11		1505.7							
	OBS	00670	10.63	35.36	27.14		1504.1							
	OBS	00700	10.03	35.27	27.18		1502.3							
	OBS	00800	08.36	35.15	27.36		1497.7							
	OBS	00900	06.95	35.11	27.53		1493.8							
	OBS	01000	06.23	35.11	27.63		1492.6							
	OBS	01010	06.21	35.13	27.65		1492.8							
	OBS	01058	05.82	35.11	27.68		1492.0							
	OBS	01081	05.80	35.12	27.69		1492.3							
	OBS	01100	05.43	35.08	27.71		1491.1							
	OBS	01200	05.09	35.07	27.74		1491.3							

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REFID 31 8322	YEAR 1972	BOTDP 03566	AIR TEMP 20.5	DIR PGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 05	SHIP 1H	WET BULB 18.2	14 3 3	WIND-SPD 04	TRACE DIR	5 SQUARE 4
LAT 35 02 N	DAY 21	DATA USE 1	BAROMETR 1030.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 12.5	AREA 05	CLOUD T/A 0/1	CL/TR	WEATHER X1	ORIG E72 009	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	19.90	36.473	25.93		1523.6							
12.5	OBS	00024	19.38	36.456	26.05		1522.5							
12.5	OBS	00049	18.49	36.434	26.26		1520.4							
12.5	OBS	00073	17.77	36.403	26.42		1518.7							
12.5	OBS	00097	17.45	36.380	26.48		1518.1							
12.5	OBS	00146	17.20	36.362	26.53		1518.2							
12.5	OBS	T00199	16.84	36.330	26.59		1517.9							
12.5	OBS	00296	16.20	36.226	26.66		1517.3							
12.5	OBS	T00393	14.92	36.005	26.78		1514.8							
12.5	OBS	00495	14.00	35.873	26.88		1513.4							
12.5	OBS	00593	12.48	35.645	27.01		1509.7							
12.5	OBS	T00787	08.51	35.143	27.33		1498.0							
12.5	OBS	T00986	06.76	35.193	27.62		1494.6							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 01362 AIR TEMP 20.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0013 MONTH 05 SHIP 1H WET BULB 17.7 21 1 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 35 10 N DAY 21 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 50 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	20.24	36.39	25.78		1524.4							
	OBS	00010	19.50	36.40	25.98		1522.6							
	OBS	00020	19.17	36.37	26.04		1521.8							
	OBS	00030	18.12	36.39	26.32		1519.0							
	OBS	00050	17.75	36.37	26.40		1518.2							
	OBS	00075	17.47	36.37	26.47		1517.8							
	OBS	00100	17.39	36.37	26.49		1518.0							
	OBS	00125	17.27	36.36	26.51		1518.0							
	OBS	00150	17.17	36.35	26.53		1518.1							
	OBS	00200	16.87	36.32	26.58		1518.0							
	OBS	00220	16.84	36.34	26.60		1518.3							
	OBS	00250	16.45	36.26	26.63		1517.5							
	OBS	00300	16.06	36.19	26.67		1517.1							
	OBS	00400	15.04	36.02	26.77		1515.3							
	OBS	00500	13.59	35.79	26.90		1512.0							
	OBS	00528	13.56	35.81	26.92		1512.4							
	OBS	00542	13.27	35.73	26.92		1511.6							
	OBS	00600	12.15	35.55	27.01		1508.5							
	OBS	00700	10.11	35.33	27.21		1502.7							
	OBS	00708	09.97	35.31	27.22		1502.3							
	OBS	00719	10.02	35.35	27.24		1502.7							
	OBS	00800	08.23	35.10	27.34		1497.1							
	OBS	00820	07.96	35.09	27.37		1496.3							
	OBS	00830	07.61	35.04	27.38		1495.1							
	OBS	00855	07.25	35.10	27.48		1494.2							
	OBS	00870	07.29	35.14	27.51		1494.7							
	OBS	00880	07.13	35.12	27.52		1494.2							
	OBS	00885	07.07	35.14	27.54		1494.1							
	OBS	00900	07.21	35.19	27.56		1494.9							
	OBS	00922	07.04	35.18	27.58		1494.6							
	OBS	01000	06.49	35.17	27.64		1493.8							
	OBS	01024	06.43	35.17	27.65		1493.9							
	OBS	01040	06.12	35.14	27.67		1492.9							
	OBS	01050	06.08	35.13	27.67		1492.9							
	OBS	01055	05.96	35.13	27.68		1492.5							
	OBS	01065	05.99	35.17	27.71		1492.9							
	OBS	01100	05.84	35.15	27.71		1492.8							
	OBS	01125	05.50	35.10	27.72		1491.8							
	OBS	01160	05.45	35.11	27.73		1492.2							
	OBS	01200	05.11	35.06	27.73		1491.4							
	OBS	01220	05.03	35.07	27.75		1491.4							
	OBS	01250	05.03	35.08	27.76		1491.9							
	OBS	01270	04.86	35.06	27.76		1491.5							
	OBS	01300	04.81	35.07	27.77		1491.9							

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REFID 31 8322 YEAR 1972 BOTDP 04846 AIR TEMP 21.2 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206
CONSEC 0014 MONTH 05 SHIP 1H WET BULB 18.3 18 2 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 35 26 N DAY 22 DATA USE 1 BAROMETR 1010.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 03 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 011 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	19.98	36.40	25.85		1523.7							
	OBS	00010	19.35	36.34	25.97		1522.1							
	OBS	00020	18.50	36.37	26.21		1519.9							
	OBS	00030	17.85	36.40	26.40		1518.2							
	OBS	00050	17.66	36.41	26.45		1518.0							
	OBS	00075	17.55	36.40	26.47		1518.1							
	OBS	00100	17.46	36.39	26.49		1518.2							
	OBS	00125	17.45	36.39	26.49		1518.6							
	OBS	00150	17.42	36.39	26.50		1518.9							
	OBS	00200	17.29	36.39	26.53		1519.4							
	OBS	00250	17.12	36.36	26.55		1519.6							
	OBS	00300	16.90	36.33	26.58		1519.8							
	OBS	00400	15.90	36.13	26.66		1518.1							
	OBS	00450	15.37	36.05	26.72		1517.2							
	OBS	00460	15.50	36.10	26.72		1517.9							
	OBS	00500	14.91	35.99	26.77		1516.5							
	OBS	00507	14.82	35.98	26.78		1516.3							
	OBS	00525	14.92	36.06	26.82		1517.1							
	OBS	00600	13.77	35.79	26.86		1514.3							
	OBS	00700	12.05	35.55	27.02		1509.8							
	OBS	00800	10.34	35.30	27.15		1505.2							
	OBS	00825	09.64	35.21	27.20		1502.9							
	OBS	00835	09.44	35.25	27.26		1502.4							
	OBS	00848	09.50	35.27	27.27		1502.9							
	OBS	00880	08.88	35.18	27.30		1501.0							
	OBS	00900	08.65	35.22	27.37		1500.5							
	OBS	00951	07.66	35.15	27.46		1497.5							
	OBS	00959	07.75	35.16	27.46		1498.0							
	OBS	01000	07.30	35.18	27.54		1496.9							
	OBS	01100	06.33	35.14	27.64		1494.7							
	OBS	01110	06.45	35.18	27.66		1495.4							
	OBS	01150	05.96	35.12	27.67		1494.1							
	OBS	01200	05.84	35.13	27.70		1494.4							
	OBS	01239	05.70	35.14	27.72		1494.5							
	OBS	01280	05.72	35.16	27.74		1495.3							
	OBS	01300	05.82	35.18	27.74		1496.1							
	OBS	01358	05.68	35.18	27.76		1496.5							
	OBS	01400	05.41	35.16	27.77		1496.1							
	OBS	01460	05.12	35.12	27.78		1495.9							
	OBS	01470	05.15	35.14	27.79		1496.2							
	OBS	01500	05.00	35.14	27.81		1496.1							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 04572 AIR TEMP 20.5 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206
CONSEC 0015 MONTH 05 SHIP IH WET BULB 19.2 24 5 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 35 51 N DAY 23 DATA USE 1 BAROMETR 1022.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 49
LONG 049 57 W HOUR 14.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 012 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.0	OBS	00000	19.84	36.46	25.94		1523.4							
	OBS	00010	19.80	36.45	25.94		1523.5							
	OBS	00020	19.36	36.45	26.05		1522.4							
	OBS	00030	18.86	36.44	26.17		1521.2							
	OBS	00050	17.94	36.38	26.36		1518.8							
	OBS	00075	17.55	36.39	26.46		1518.1							
	OBS	00100	17.47	36.39	26.48		1518.3							
	OBS	00125	17.45	36.39	26.49		1518.6							
	OBS	00150	17.42	36.39	26.50		1518.9							
	OBS	00200	17.24	36.38	26.53		1519.2							
	OBS	00250	17.03	36.35	26.56		1519.4							
	OBS	00300	16.78	36.31	26.59		1519.4							
	OBS	00338	16.64	36.30	26.61		1519.6							
	OBS	00400	15.74	36.11	26.68		1517.6							
	OBS	00500	14.77	35.99	26.80		1516.1							
	OBS	00600	13.36	35.75	26.92		1512.9							
	OBS	00700	11.47	35.43	27.04		1507.7							
	OBS	00800	08.86	35.15	27.28		1499.5							
	OBS	00900	06.77	35.03	27.49		1493.0							
	OBS	00946	06.27	35.04	27.57		1491.8							
	OBS	00962	06.34	35.09	27.60		1492.4							
	OBS	01000	06.02	35.07	27.63		1491.8							
	OBS	01100	05.46	35.07	27.70		1491.2							
	OBS	01150	05.25	35.06	27.71		1491.1							
	OBS	01175	05.29	35.07	27.72		1491.7							
	OBS	01200	05.25	35.07	27.72		1492.0							
	OBS	01235	04.91	35.02	27.72		1491.1							
	OBS	01300	04.68	35.01	27.74		1491.2							
	OBS	01360	04.53	35.01	27.76		1491.6							
	OBS	01370	04.56	35.02	27.76		1491.9							
	OBS	01390	04.50	35.00	27.75		1492.0							
	OBS	01400	04.53	35.02	27.77		1492.3							
	OBS	01420	04.48	35.00	27.76		1492.4							
	OBS	01440	04.50	35.02	27.77		1492.9							
	OBS	01500	04.41	35.02	27.78		1493.5							

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REFID 31 8322 YEAR 1972 BOTDP 04846 AIR TEMP 21.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0016 MONTH 05 SHIP IH WET BULB 19.9 23 5 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 24 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 42.5W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	19.95	36.46	25.91		1523.7							
	OBS	00010	19.90	36.45	25.91		1523.7							
	OBS	00020	19.13	36.42	26.05		1521.7							
	OBS	00030	18.90	36.43	26.16		1521.3							
	OBS	00050	18.42	36.39	26.25		1520.2							
	OBS	00075	17.48	36.38	26.47		1517.9							
	OBS	00100	17.41	36.38	26.49		1518.1							
	OBS	00125	17.30	36.36	26.50		1518.1							
	OBS	00150	17.13	36.35	26.54		1518.0							
	OBS	00200	16.98	36.34	26.56		1518.4							
	OBS	00250	16.73	36.31	26.60		1518.4							
	OBS	00300	16.12	36.18	26.64		1517.2							
	OBS	00323	16.03	36.19	26.67		1517.4							
	OBS	00400	15.08	36.03	26.77		1515.5							
	OBS	00500	13.72	35.92	26.90		1512.5							
	OBS	00600	12.39	35.81	27.00		1509.4							
	OBS	00700	10.35	35.32	27.16		1503.6							
	OBS	00800	08.25	35.12	27.35		1497.2							
	OBS	00846	07.72	35.13	27.44		1495.9							
	OBS	00851	07.80	35.18	27.47		1496.4							
	OBS	00863	07.64	35.18	27.49		1496.0							
	OBS	00882	07.14	35.11	27.51		1494.3							
	OBS	00900	07.09	35.12	27.52		1494.4							
	OBS	01000	06.42	35.14	27.63		1493.4							
	OBS	01100	05.75	35.11	27.69		1492.4							
	OBS	01137	05.92	35.17	27.72		1493.8							
	OBS	01200	05.67	35.15	27.73		1493.8							
	OBS	01270	05.26	35.12	27.76		1493.3							
	OBS	01280	05.39	35.14	27.76		1494.0							
	OBS	01300	05.16	35.10	27.76		1493.3							
	OBS	01320	05.27	35.14	27.78		1494.2							
	OBS	01374	04.90	35.08	27.77		1493.5							
	OBS	01385	05.04	35.10	27.77		1494.3							
	OBS	01400	04.84	35.07	27.77		1493.7							
	OBS	01415	04.76	35.06	27.77		1493.6							
	OBS	01421	04.88	35.08	27.77		1494.2							
	OBS	01500	04.57	35.05	27.79		1494.2							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 04526	AIR TEMP 20.7	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1206
CONSEC 0017	MONTH 05	SHIP IH	WET BULB 19.7	21 4 2	WIND-SPD 22	TRACE DIR D	5 SQUARE 2
LAT 34 58 N	DAY 24	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 02 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 014	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	OBS	00000	20.06	36.47	25.88		1524.0							
	OBS	00010	19.47	36.40	25.96		1522.5							
	OBS	00020	18.97	36.42	26.13		1521.3							
	OBS	00030	18.48	36.40	26.24		1520.0							
	OBS	00050	17.66	36.38	26.43		1518.0							
	OBS	00075	17.50	36.38	26.47		1517.9							
	OBS	00100	17.40	36.38	26.49		1518.0							
	OBS	00125	17.33	36.38	26.51		1518.2							
	OBS	00150	17.23	36.37	26.53		1518.3							
	OBS	00200	16.93	36.34	26.58		1518.2							
	OBS	00250	16.57	36.27	26.61		1517.9							
	OBS	00300	16.07	36.21	26.68		1517.1							
	OBS	00400	14.96	36.00	26.77		1515.1							
	OBS	00420	14.80	36.01	26.81		1514.9							
	OBS	00500	13.87	35.85	26.89		1513.0							
	OBS	00600	12.27	35.59	27.01		1509.0							
	OBS	00700	10.25	35.31	27.17		1503.2							
	OBS	00800	08.07	35.10	27.36		1496.5							
	OBS	00840	07.48	35.07	27.43		1494.8							
	OBS	00900	06.93	35.10	27.53		1493.7							
	OBS	00953	06.32	35.10	27.61		1492.2							
	OBS	00960	06.51	35.16	27.63		1493.2							
	OBS	00980	06.34	35.14	27.64		1492.8							
	OBS	00990	06.38	35.16	27.65		1493.1							
	OBS	01000	06.32	35.15	27.65		1493.1							
	OBS	01100	05.85	35.13	27.70		1492.8							
	OBS	01133	05.48	35.09	27.71		1491.8							
	OBS	01150	05.53	35.14	27.74		1492.4							
	OBS	01162	05.81	35.20	27.76		1493.8							
	OBS	01200	05.57	35.15	27.75		1493.4							
	OBS	01300	05.11	35.11	27.77		1493.1							
	OBS	01400	04.77	35.08	27.79		1493.4							
	OBS	01415	04.77	35.08	27.79		1493.6							
	OBS	01485	04.40	35.03	27.79		1493.2							
	OBS	01500	04.42	35.05	27.80		1493.6							

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REFID 31 8322	YEAR 1972	BOTDP 04069	AIR TEMP 21.0	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0018	MONTH 05	SHIP IH	WET BULB 20.0	24 3 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 13 N	DAY 25	DATA USE 1	BAROMETR 1024.8	SEA	WIND-FOR	DURATION 01.0	2 SQUARE 46
LONG 047 36 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 015	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	20.27	36.44	25.81		1524.6							
	OBS	00010	19.78	36.42	25.92		1523.4							
	OBS	00020	19.07	36.39	26.08		1521.5							
	OBS	00030	18.14	36.40	26.33		1519.1							
	OBS	00050	17.79	36.39	26.41		1518.4							
	OBS	00075	17.41	36.36	26.48		1517.6							
	OBS	00100	17.11	36.33	26.53		1517.1							
	OBS	00125	17.04	36.35	26.56		1517.3							
	OBS	00150	16.84	36.32	26.58		1517.1							
	OBS	00200	16.59	36.29	26.62		1517.2							
	OBS	00250	16.15	36.21	26.66		1516.5							
	OBS	00300	15.74	36.14	26.70		1516.0							
	OBS	00400	14.85	35.99	26.79		1514.7							
	OBS	00500	13.68	35.80	26.89		1512.3							
	OBS	00520	13.32	35.73	26.91		1511.4							
	OBS	00600	12.05	35.57	27.04		1508.2							
	OBS	00700	10.24	35.34	27.19		1503.2							
	OBS	00800	08.72	35.21	27.35		1499.1							
	OBS	00820	08.36	35.19	27.39		1498.0							
	OBS	00840	08.09	35.17	27.41		1497.3							
	OBS	00860	07.81	35.17	27.46		1496.6							
	OBS	00900	07.59	35.19	27.50		1496.4							
	OBS	00966	07.47	35.20	27.53		1496.1							
	OBS	00980	07.02	35.21	27.60		1495.6							
	OBS	01000	06.91	35.19	27.60		1495.4							
	OBS	01058	06.22	35.15	27.66		1493.6							
	OBS	01078	06.35	35.21	27.69		1494.6							
	OBS	01100	06.22	35.18	27.69		1494.4							
	OBS	01120	05.99	35.16	27.70		1493.8							
	OBS	01130	05.88	35.16	27.72		1493.5							
	OBS	01150	05.92	35.18	27.73		1494.0							
	OBS	01200	05.61	35.14	27.73		1493.5							
	OBS	01300	05.14	35.10	27.76		1493.2							
	OBS	01400	04.79	35.07	27.78		1493.5							
	OBS	01500	04.50	35.05	27.79		1493.9							
	OBS	01750	04.08	35.01	27.81		1496.3							
	OBS	02000	03.76	34.99	27.82		1499.3							
	OBS	02500	03.42	34.99	27.86		1506.3							
	OBS	02880	03.09	34.97	27.87		1511.4							
	OBS	03000	02.97	34.96	27.88		1513.0							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 03749	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0019	MONTH 05	SHIP 1H	WET BULB 19.4	21 3 3	WIND-SPD 17	TRACE DIR 0	5 SQUARE 4
LAT 35 12 N	DAY 25	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 57 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 016	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	20.24	36.43	25.81		1524.5							
	OBS	00010	19.95	36.44	25.89		1523.8							
	OBS	00020	19.51	36.37	25.95		1522.7							
	OBS	00030	18.92	36.37	26.11		1521.2							
	OBS	00050	17.88	36.39	26.38		1518.6							
	OBS	00075	17.42	36.37	26.48		1517.7							
	OBS	00100	17.23	36.36	26.52		1517.5							
	OBS	00125	17.08	36.35	26.55		1517.5							
	OBS	00150	16.93	36.35	26.58		1517.4							
	OBS	00200	16.58	36.29	26.62		1517.1							
	OBS	00250	16.17	36.23	26.67		1516.6							
	OBS	00300	15.84	36.17	26.70		1516.4							
	OBS	00400	14.69	35.98	26.81		1514.2							
	OBS	00500	13.47	35.78	26.92		1511.6							
	OBS	00600	11.93	35.55	27.05		1507.8							
	OBS	00700	09.92	35.30	27.22		1502.0							
	OBS	00800	08.64	35.22	27.37		1498.8							
	OBS	00900	07.27	35.16	27.53		1495.1							
	OBS	01000	06.38	35.14	27.63		1493.3							
	OBS	01100	05.96	35.15	27.70		1493.3							
	OBS	01157	05.80	35.16	27.73		1493.6							
	OBS	01200	05.36	35.10	27.73		1492.5							
	OBS	01300	04.78	35.05	27.76		1491.7							
	OBS	01312	04.95	35.10	27.78		1492.7							
	OBS	01322	04.80	35.06	27.77		1492.2							
	OBS	01342	04.97	35.11	27.79		1493.3							
	OBS	01400	04.80	35.09	27.79		1493.5							
	OBS	01500	04.63	35.08	27.80		1494.5							

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REFID 31 8322	YEAR 1972	BOTDP 03931	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1206
CONSEC 0020	MONTH 05	SHIP 1H	WET BULB 19.0	18 4 3	WIND-SPD 18	TRACE DIR	5 SQUARE 4
LAT 35 06 N	DAY 26	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 13.3	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E72 017	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	20.23	36.492	25.86		1524.5							
13.3	OBS	00026	19.99	36.471	25.90		1524.3							
13.3	OBS	00047	18.47	36.429	26.27		1520.3							
13.3	OBS	00073	17.69	36.387	26.43		1518.5							
13.3	OBS	00094	17.40	36.379	26.49		1517.9							
13.3	OBS	00142	17.28	36.387	26.53		1518.4							
13.3	OBS	00190	16.93	36.356	26.59		1518.1							
13.3	OBS	00286	16.16	36.242	26.68		1517.2							
13.3	OBS	T00384	15.20	36.063	26.76		1515.6							
13.3	OBS	00481	14.07	35.884	26.87		1513.4							
13.3	OBS	T00579	13.04	35.732	26.97		1511.4							
13.3	OBS	T00781	09.87	35.381	27.29		1503.2							

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REFID 31 8322	YEAR 1972	BOTDP 04206	AIR TEMP 20.7	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0021	MONTH 05	SHIP 1H	WET BULB 19.0	21 4 3	WIND-SPD 17	TRACE DIR 0	5 SQUARE 4
LAT 35 02.4N	DAY 27	DATA USE 1	BAROMETR 1026.5	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 58.5W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 018	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	20.34	36.48	25.82		1524.8							
	OBS	00010	20.34	36.48	25.82		1525.0							
	OBS	00020	19.97	36.44	25.89		1524.1							
	OBS	00030	19.27	36.43	26.06		1522.3							
	OBS	00050	17.97	36.41	26.38		1518.9							
	OBS	00075	17.69	36.40	26.44		1518.5							
	OBS	00100	17.54	36.40	26.47		1518.5							
	OBS	00125	17.51	36.41	26.49		1518.8							
	OBS	00150	17.48	36.41	26.50		1519.1							
	OBS	00200	17.27	36.37	26.52		1519.3							
	OBS	00250	17.05	36.35	26.56		1519.4							
	OBS	00300	16.70	36.31	26.61		1519.2							
	OBS	00400	15.57	36.11	26.72		1517.1							
	OBS	00500	14.46	35.95	26.84		1515.0							
	OBS	00600	12.87	35.68	26.96		1511.1							
	OBS	00700	10.61	35.34	27.13		1504.5							
	OBS	00800	08.38	35.12	27.33		1497.7							
	OBS	00900	07.14	35.10	27.50		1494.6							
	OBS	01000	06.38	35.14	27.63		1493.3							
	OBS	01065	05.87	35.12	27.68		1492.3							
	OBS	01100	06.07	35.19	27.71		1493.8							
	OBS	01120	05.83	35.19	27.75		1493.2							
	OBS	01130	06.01	35.22	27.75		1494.1							
	OBS	01200	05.50	35.15	27.76		1493.1							
	OBS	01300	04.96	35.08	27.76		1492.5							
	OBS	01400	04.66	35.06	27.78		1492.9							
	OBS	01500	04.43	35.05	27.80		1493.6							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 04297 AIR TEMP 23.0 DIR HGT PER WIND-DIR 20 INST STU RECORDER TEN SQ 1206
CONSEC 0022 MONTH 05 SHIP IH WET BULB 20.5 20 3 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
LAT 34 57 N DAY 27 DATA USE 1 BAROMETR 1028.1 SEA WIND-FUR DURATION 00.3 2 SQUARE 48
LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 019 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.47	36.49	25.79		1525.1							
	OBS	00010	20.41	36.49	25.81		1525.2							
	OBS	00020	20.21	36.44	25.82		1524.7							
	OBS	00030	19.41	36.44	26.03		1522.7							
	OBS	00050	18.39	36.41	26.27		1520.1							
	OBS	00057	17.75	36.39	26.42		1518.4							
	OBS	00075	17.55	36.40	26.47		1518.1							
	OBS	00100	17.50	36.40	26.48		1518.4							
	OBS	00125	17.45	36.40	26.50		1518.6							
	OBS	00150	17.42	36.40	26.50		1518.9							
	OBS	00200	17.18	36.37	26.54		1519.0							
	OBS	00250	16.98	36.35	26.57		1519.2							
	OBS	00300	16.71	36.31	26.61		1519.2							
	OBS	00340	16.05	36.20	26.68		1518.4							
	OBS	00400	15.74	36.14	26.70		1517.7							
	OBS	00430	15.28	36.06	26.74		1516.6							
	OBS	00500	14.56	35.96	26.83		1515.4							
	OBS	00600	13.17	35.74	26.95		1512.2							
	OBS	00620	12.83	35.68	26.97		1511.3							
	OBS	00640	12.52	35.65	27.01		1510.6							
	OBS	00660	12.18	35.56	27.01		1509.6							
	OBS	00700	10.84	35.37	27.11		1505.4							
	OBS	00763	09.28	35.23	27.27		1500.6							
	OBS	00800	08.66	35.20	27.35		1498.8							
	OBS	00815	08.35	35.18	27.38		1497.9							
	OBS	00900	07.49	35.20	27.53		1496.0							
	OBS	01000	06.63	35.20	27.65		1494.4							
	OBS	01032	06.32	35.18	27.67		1493.6							
	OBS	01050	06.01	35.15	27.69		1492.7							
	OBS	01100	05.57	35.08	27.69		1491.6							
	OBS	01108	05.62	35.10	27.70		1492.0							
	OBS	01200	05.06	35.05	27.73		1491.2							
	OBS	01300	04.91	35.04	27.75		1491.8							
	OBS	01400	04.51	35.02	27.77		1492.2							
	OBS	01500	04.37	35.01	27.78		1493.3							

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REFID 31 8322 YEAR 1972 BOTDP 04435 AIR TEMP 18.9 DIR HGT PER WIND-DIR 19 INST STU RECORDER TEN SQ 1206
CONSEC 0023 MONTH 05 SHIP IH WET BULB 17.2 19 3 3 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 34 59 N DAY 27 DATA USE 1 BAROMETR 1025.3 SEA WIND-FUR DURATION 00.5 2 SQUARE 48
LONG 048 00 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 020 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	20.67	36.49	25.74		1525.7							
	OBS	00010	20.62	36.47	25.73		1525.7							
	OBS	00020	20.42	36.47	25.79		1525.3							
	OBS	00030	19.97	36.45	25.89		1524.2							
	OBS	00050	18.27	36.40	26.29		1519.8							
	OBS	00075	17.62	36.38	26.44		1518.3							
	OBS	00100	17.45	36.38	26.48		1518.2							
	OBS	00125	17.37	36.38	26.50		1518.4							
	OBS	00150	17.29	36.37	26.51		1518.5							
	OBS	00200	17.22	36.37	26.53		1519.1							
	OBS	00250	17.08	36.37	26.56		1519.5							
	OBS	00300	16.86	36.35	26.60		1519.7							
	OBS	00340	16.33	36.23	26.63		1518.6							
	OBS	00350	16.33	36.26	26.66		1518.8							
	OBS	00400	15.70	36.13	26.70		1517.5							
	OBS	00424	15.23	36.05	26.75		1516.4							
	OBS	00500	14.38	35.92	26.83		1514.7							
	OBS	00600	12.85	35.68	26.97		1511.1							
	OBS	00700	11.06	35.42	27.11		1506.2							
	OBS	00800	08.61	35.14	27.31		1498.6							
	OBS	00810	08.55	35.19	27.36		1498.6							
	OBS	00868	07.75	35.15	27.45		1496.5							
	OBS	00873	07.83	35.21	27.48		1496.9							
	OBS	00900	07.41	35.16	27.51		1495.7							
	OBS	00960	06.77	35.14	27.58		1494.2							
	OBS	00973	07.02	35.21	27.60		1495.4							
	OBS	01000	06.68	35.19	27.63		1494.5							
	OBS	01060	06.46	35.19	27.66		1494.7							
	OBS	01100	05.68	35.09	27.69		1492.1							
	OBS	01110	05.60	35.08	27.69		1491.9							
	OBS	01121	05.88	35.14	27.70		1493.3							
	OBS	01154	05.48	35.09	27.71		1492.2							
	OBS	01200	05.11	35.06	27.73		1491.4							
	OBS	01220	05.03	35.06	27.74		1491.4							
	OBS	01232	05.12	35.09	27.75		1492.0							
	OBS	01263	04.87	35.04	27.74		1491.4							
	OBS	01300	04.77	35.04	27.75		1491.7							
	OBS	01400	04.47	35.02	27.77		1492.1							
	OBS	01500	04.29	35.01	27.78		1493.0							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 04023 AIR TEMP 21.6 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0024 MONTH 05 SHIP LH WET BULB 19.8 20 3 2 WIND-SPD 16 TRACE DIR 0 5 SQUARE 4
LAT 35 07 N DAY 28 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 55 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 021 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	20.45	36.48	25.79		1525.1							
	OBS	00010	20.42	36.47	25.79		1525.2							
	OBS	00020	19.81	36.34	25.89		1523.6							
	OBS	00030	18.89	36.44	26.17		1521.2							
	OBS	00050	18.35	36.42	26.29		1520.0							
	OBS	00075	17.89	36.42	26.40		1519.1							
	OBS	00100	17.76	36.41	26.43		1519.1							
	OBS	00113	17.24	36.29	26.46		1517.7							
	OBS	00125	17.43	36.39	26.49		1518.5							
	OBS	00150	17.39	36.39	26.50		1518.8							
	OBS	00200	17.16	36.37	26.54		1519.0							
	OBS	00250	16.80	36.33	26.60		1518.7							
	OBS	00300	16.40	36.26	26.64		1516.2							
	OBS	00400	15.14	36.04	26.76		1515.7							
	OBS	00500	14.16	35.89	26.86		1514.0							
	OBS	00536	13.73	35.83	26.90		1513.1							
	OBS	00600	12.51	35.62	26.99		1509.8							
	OBS	00700	10.57	35.36	27.15		1504.4							
	OBS	00750	09.24	35.23	27.28		1500.2							
	OBS	00800	08.31	35.15	27.36		1497.5							
	OBS	00834	07.76	35.11	27.42		1495.9							
	OBS	00859	07.28	35.09	27.47		1494.4							
	OBS	00900	06.92	35.11	27.54		1493.7							
	OBS	00945	06.73	35.13	27.58		1493.7							
	OBS	00955	06.42	35.11	27.61		1492.7							
	OBS	00970	06.54	35.15	27.62		1493.4							
	OBS	01000	06.24	35.12	27.64		1492.7							
	OBS	01020	05.98	35.14	27.69		1492.0							
	OBS	01043	06.07	35.16	27.69		1492.8							
	OBS	01100	05.78	35.15	27.72		1492.6							
	OBS	01200	05.43	35.14	27.76		1492.8							
	OBS	01260	05.15	35.11	27.77		1492.6							
	OBS	01269	05.25	35.14	27.78		1493.2							
	OBS	01300	04.95	35.08	27.77		1492.4							
	OBS	01350	04.86	35.09	27.78		1492.9							
	OBS	01373	04.93	35.10	27.78		1493.6							
	OBS	01390	04.85	35.09	27.79		1493.6							
	OBS	01400	04.91	35.11	27.79		1494.0							
	OBS	01411	04.96	35.12	27.80		1494.4							
	OBS	01500	04.53	35.06	27.80		1494.0							

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REFID 31 8322 YEAR 1972 BOTDP 04252 AIR TEMP 20.5 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206
CONSEC 0025 MONTH 05 SHIP LH WET BULB 19.8 20 4 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4
LAT 35 01 N DAY 28 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 01 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E72 022 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	20.53	36.48	25.77		1525.3							
	OBS	00010	20.52	36.48	25.77		1525.4							
	OBS	00020	20.48	36.48	25.78		1525.5							
	OBS	00030	19.94	36.44	25.89		1524.1							
	OBS	00050	18.79	36.43	26.18		1521.3							
	OBS	00075	17.92	36.43	26.40		1519.2							
	OBS	00100	17.58	36.39	26.46		1518.6							
	OBS	00125	17.43	36.38	26.49		1518.5							
	OBS	00150	17.33	36.37	26.50		1518.6							
	OBS	00200	17.23	36.38	26.53		1519.2							
	OBS	00250	17.03	36.36	26.57		1519.4							
	OBS	00300	16.74	36.33	26.61		1519.3							
	OBS	00400	15.73	36.15	26.71		1517.6							
	OBS	00500	14.24	35.91	26.86		1514.3							
	OBS	00600	12.70	35.67	26.99		1510.5							
	OBS	00700	10.72	35.37	27.13		1504.9							
	OBS	00800	08.62	35.17	27.33		1498.7							
	OBS	00828	08.09	35.15	27.40		1497.1							
	OBS	00892	07.55	35.17	27.49		1496.1							
	OBS	00900	07.28	35.13	27.50		1495.1							
	OBS	00940	07.12	35.17	27.56		1495.2							
	OBS	00980	06.57	35.14	27.61		1493.7							
	OBS	01000	06.57	35.18	27.64		1494.1							
	OBS	01008	06.63	35.20	27.65		1494.5							
	OBS	01040	06.17	35.13	27.65		1493.1							
	OBS	01049	06.29	35.15	27.65		1493.8							
	OBS	01058	06.00	35.11	27.66		1492.7							
	OBS	01070	06.27	35.18	27.68		1494.1							
	OBS	01100	05.88	35.13	27.69		1492.9							
	OBS	01110	05.83	35.13	27.70		1492.9							
	OBS	01130	05.40	35.06	27.70		1491.4							
	OBS	01159	05.23	35.05	27.71		1491.2							
	OBS	01182	05.70	35.16	27.74		1493.6							
	OBS	01200	05.58	35.15	27.75		1493.4							
	OBS	01230	05.03	35.06	27.74		1491.8							
	OBS	01260	04.93	35.05	27.74		1491.7							
	OBS	01294	04.94	35.07	27.76		1492.3							
	OBS	01300	05.03	35.08	27.76		1492.8							
	OBS	01330	04.76	35.05	27.76		1492.1							
	OBS	01365	04.66	35.04	27.77		1492.3							
	OBS	01380	04.74	35.07	27.78		1492.9							
	OBS	01400	04.67	35.05	27.77		1492.9							
	OBS	01455	04.50	35.04	27.75		1493.1							
	OBS	01500	04.57	35.06	27.79		1494.2							

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TABLE LI.—Continued

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 01737 AIR TEMP 18.6 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0027 MONTH 05 SHIP 1H WET BULB 14.0 36 3 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 35 02.8N DAY 29 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 50.0W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 024 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	20.77	36.49	25.71		1525.9							
	OBS	00010	20.73	36.48	25.71		1526.0							
	OBS	00020	20.58	36.45	25.73		1525.7							
	OBS	00030	19.39	36.41	26.01		1522.6							
	OBS	00040	18.79	36.43	26.18		1521.1							
	OBS	00050	18.62	36.45	26.24		1520.8							
	OBS	00057	18.31	36.45	26.32		1520.1							
	OBS	00075	18.14	36.43	26.35		1519.8							
	OBS	00100	17.80	36.43	26.43		1519.3							
	OBS	00125	17.51	36.40	26.48		1518.8							
	OBS	00150	17.38	36.39	26.51		1518.8							
	OBS	00200	17.28	36.39	26.53		1519.3							
	OBS	00250	17.15	36.40	26.57		1519.8							
	OBS	00300	16.85	36.35	26.60		1519.7							
	OBS	00320	16.74	36.33	26.61		1519.6							
	OBS	00400	15.75	36.14	26.70		1517.7							
	OBS	00500	14.20	35.87	26.83		1514.1							
	OBS	00600	12.54	35.63	26.99		1510.0							
	OBS	00700	10.98	35.41	27.12		1505.9							
	OBS	00775	09.33	35.24	27.27		1501.0							
	OBS	00800	08.84	35.21	27.33		1499.5							
	OBS	00900	07.51	35.19	27.52		1496.1							
	OBS	00935	07.23	35.14	27.52		1495.5							
	OBS	00950	06.84	35.09	27.53		1494.2							
	OBS	00972	06.71	35.10	27.56		1494.1							
	OBS	00975	06.31	35.04	27.56		1492.5							
	OBS	00995	05.82	35.02	27.61		1490.8							
	OBS	01000	05.98	35.07	27.63		1491.6							
	OBS	01003	06.02	35.07	27.63		1491.8							
	OBS	01028	05.48	34.98	27.62		1489.9							
	OBS	01058	05.33	34.99	27.65		1489.8							
	OBS	01073	05.87	35.13	27.69		1492.4							
	OBS	01100	05.76	35.13	27.71		1492.5							
	OBS	01128	05.74	35.14	27.72		1492.9							
	OBS	01170	05.29	35.06	27.71		1491.6							
	OBS	01200	05.16	35.05	27.72		1491.6							
	OBS	01300	04.92	35.05	27.75		1492.3							
	OBS	01355	04.60	35.01	27.75		1491.8							
	OBS	01385	04.64	35.04	27.77		1492.5							
	OBS	01400	04.53	35.02	27.77		1492.3							
	OBS	01500	04.45	35.04	27.79		1493.7							

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REFID 31 8322 YEAR 1972 BOTDP 03566 AIR TEMP 21.0 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0028 MONTH 05 SHIP 1H WET BULB 20.2 04 1 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 30 DATA USE 1 BAROMETR 1026.2 SEA WIND-FOR DURATION 00.6 2 SQUARE 48
LONG 048 00 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 025 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	20.83	36.50	25.70		1526.1							
	OBS	00010	20.80	36.50	25.71		1526.2							
	OBS	00020	19.45	36.40	25.99		1522.6							
	OBS	00030	18.60	36.46	26.26		1520.4							
	OBS	00050	18.23	36.43	26.33		1519.7							
	OBS	00075	18.10	36.46	26.38		1519.8							
	OBS	00100	17.80	36.43	26.43		1519.3							
	OBS	00125	17.53	36.39	26.47		1518.8							
	OBS	00150	17.45	36.40	26.50		1519.0							
	OBS	00200	17.28	36.39	26.53		1519.3							
	OBS	00250	17.15	36.38	26.55		1519.8							
	OBS	00300	16.92	36.37	26.60		1519.9							
	OBS	00320	16.74	36.34	26.62		1519.6							
	OBS	00380	15.94	36.19	26.69		1518.0							
	OBS	00400	15.59	36.10	26.70		1517.2							
	OBS	00430	15.08	36.04	26.77		1516.0							
	OBS	00500	14.54	35.97	26.84		1515.3							
	OBS	00600	13.00	35.72	26.97		1511.6							
	OBS	00615	12.86	35.70	26.98		1511.4							
	OBS	00670	11.88	35.54	27.05		1508.7							
	OBS	00700	11.19	35.41	27.08		1506.7							
	OBS	00800	09.26	35.23	27.28		1501.1							
	OBS	00822	08.77	35.17	27.31		1499.6							
	OBS	00835	08.55	35.19	27.36		1499.0							
	OBS	00848	08.28	35.16	27.38		1498.2							
	OBS	00900	07.75	35.20	27.49		1497.0							
	OBS	01000	05.89	35.00	27.59		1491.1							
	OBS	01040	05.52	35.00	27.63		1490.3							
	OBS	01060	05.90	35.13	27.69		1492.4							
	OBS	01074	05.97	35.14	27.69		1492.9							
	OBS	01100	05.61	35.08	27.69		1491.8							
	OBS	01148	05.06	35.04	27.72		1490.3							
	OBS	01160	05.42	35.11	27.73		1492.1							
	OBS	01200	05.42	35.11	27.73		1492.7							
	OBS	01223	05.28	35.09	27.73		1492.5							
	OBS	01300	05.22	35.12	27.77		1493.6							
	OBS	01400	04.84	35.08	27.78		1493.7							
	OBS	01450	04.75	35.07	27.78		1494.1							
	OBS	01475	04.63	35.06	27.79		1494.0							
	OBS	01500	04.63	35.06	27.79		1494.5							

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TABLE LI.—Continued

REPID 31 8322	YEAR 1972	BOTDP 03926	AIR TEMP 19.6	DIR MGT PER	WIND-DIR 36	INST STD RECORDER	TEN SQ 1206
CONSEC 0029	MONTH 05	SHIP IM	WET BULB 16.4	49 2 X	WIND-SPD 09	TRACE DIM D	5 SQUARE 4
LAT 35 05 N	DAY 30	DATA USE 1	BAROMETR 1028.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 026	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	20.94	36.50	25.67		1526.4							
	OBS	00010	20.62	36.48	25.74		1525.7							
	OBS	00020	20.53	36.48	25.77		1525.6							
	OBS	00030	19.84	36.44	25.92		1523.9							
	OBS	00050	18.83	36.42	26.17		1521.4							
	OBS	00075	18.02	36.40	26.36		1519.5							
	OBS	00100	17.57	36.39	26.46		1518.5							
	OBS	00125	17.44	36.38	26.48		1518.6							
	OBS	00150	17.37	36.38	26.50		1518.8							
	OBS	00200	17.30	36.39	26.53		1519.4							
	OBS	00250	17.19	36.39	26.55		1519.9							
	OBS	00300	16.91	36.36	26.60		1519.8							
	OBS	00333	16.78	36.32	26.60		1519.9							
	OBS	00400	16.02	36.17	26.66		1518.6							
	OBS	00500	14.46	35.92	26.82		1515.0							
	OBS	00600	13.08	35.72	26.95		1511.9							
	OBS	00643	12.53	35.64	27.00		1510.6							
	OBS	00670	12.32	35.61	27.02		1510.3							
	OBS	00700	11.53	35.47	27.06		1507.9							
	OBS	00800	08.64	35.13	27.30		1498.7							
	OBS	00830	08.31	35.16	27.37		1498.0							
	OBS	00840	08.34	35.17	27.38		1498.3							
	OBS	00870	07.85	35.16	27.44		1496.9							
	OBS	00880	07.95	35.19	27.45		1497.5							
	OBS	00900	07.75	35.19	27.48		1497.0							
	OBS	01000	06.56	35.14	27.61		1494.0							
	OBS	01020	06.73	35.20	27.63		1495.1							
	OBS	01075	05.95	35.11	27.67		1492.8							
	OBS	01085	06.04	35.14	27.68		1493.3							
	OBS	01100	05.84	35.12	27.69		1492.8							
	OBS	01115	05.93	35.15	27.70		1493.4							
	OBS	01140	05.58	35.10	27.71		1492.4							
	OBS	01148	05.68	35.12	27.71		1492.9							
	OBS	01160	05.32	35.06	27.71		1491.6							
	OBS	01178	05.44	35.10	27.72		1492.4							
	OBS	01190	05.22	35.06	27.72		1491.7							
	OBS	01200	05.40	35.11	27.74		1492.6							
	OBS	01210	05.68	35.16	27.74		1494.0							
	OBS	01260	05.36	35.12	27.75		1493.5							
	OBS	01275	05.42	35.13	27.75		1494.0							
	OBS	01300	05.00	35.06	27.74		1492.6							
	OBS	01305	05.21	35.11	27.76		1493.6							
	OBS	01330	05.30	35.13	27.76		1494.4							
	OBS	01400	04.73	35.05	27.77		1493.2							
	OBS	01500	04.53	35.04	27.78		1494.0							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 04572 AIR TEMP 19.6 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0030 MONTH 05 SHIP 1H WET BULB 16.7 03 2 2 WIND-SPD 07 TRACE DIR 0 5 SQUARE 2
LAT 34 58 N DAY 31 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 00.9 2 SQUARE 46
LONG 047 54 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 027 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	OBS	00000	21.07	36.51	25.64		1526.8							
	OBS	00010	21.05	36.51	25.65		1526.9							
	OBS	00020	20.99	36.51	25.66		1526.9							
	OBS	00030	20.02	36.52	25.93		1524.5							
	OBS	00050	18.67	36.51	26.28		1521.0							
	OBS	00075	18.12	36.46	26.38		1519.8							
	OBS	00100	17.87	36.44	26.42		1519.5							
	OBS	00125	17.70	36.43	26.46		1519.4							
	OBS	00150	17.42	36.38	26.49		1518.9							
	OBS	00200	17.34	36.40	26.52		1519.5							
	OBS	00250	17.24	36.40	26.55		1520.1							
	OBS	00300	16.95	36.38	26.60		1520.0							
	OBS	00400	15.97	36.18	26.68		1518.4							
	OBS	00440	15.41	36.08	26.73		1517.2							
	OBS	00500	14.85	36.03	26.82		1516.4							
	OBS	00600	13.50	35.77	26.90		1513.3							
	OBS	00680	12.58	35.64	26.99		1511.4							
	OBS	00700	12.01	35.51	27.00		1509.6							
	OBS	00800	09.38	35.24	27.26		1501.6							
	OBS	00828	08.73	35.17	27.31		1499.5							
	OBS	00860	08.23	35.16	27.38		1498.2							
	OBS	00900	07.89	35.19	27.46		1497.6							
	OBS	01000	06.03	35.02	27.59		1491.7							
	OBS	01025	05.81	35.01	27.61		1491.2							
	OBS	01050	06.03	35.10	27.65		1492.7							
	OBS	01062	05.89	35.10	27.67		1492.3							
	OBS	01085	05.96	35.13	27.68		1493.0							
	OBS	01100	05.93	35.13	27.69		1493.1							
	OBS	01123	05.93	35.15	27.70		1493.5							
	OBS	01145	05.91	35.16	27.71		1493.8							
	OBS	01190	05.42	35.10	27.73		1492.5							
	OBS	01200	05.49	35.12	27.73		1493.0							
	OBS	01240	05.11	35.07	27.74		1492.1							
	OBS	01300	04.93	35.04	27.74		1492.3							
	OBS	01325	04.82	35.05	27.76		1492.3							
	OBS	01352	04.94	35.08	27.77		1493.3							
	OBS	01370	04.70	35.04	27.76		1492.5							
	OBS	01400	04.58	35.03	27.77		1492.5							
	OBS	01500	04.36	35.01	27.78		1493.3							
	OBS	01750	04.04	35.00	27.80		1496.1							
	OBS	02000	03.83	35.00	27.83		1499.5							
	OBS	02180	03.81	35.02	27.84		1502.5							
	OBS	02500	03.46	35.00	27.86		1506.5							
	OBS	02660	03.23	34.96	27.85		1508.2							
	OBS	03000	02.99	34.96	27.88		1513.0							

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REFID 31 8322 YEAR 1972 BOTDP 04224 AIR TEMP 19.0 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206
CONSEC 0031 MONTH 05 SHIP 1H WET BULB 16.2 49 2 X WIND-SPD 07 TRACE DIR 0 5 SQUARE 4
LAT 35 03 N DAY 31 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 028 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	21.26	36.52	25.60		1527.3							
	OBS	00010	21.05	36.51	25.65		1526.9							
	OBS	00020	20.46	36.54	25.83		1525.5							
	OBS	00030	19.78	36.43	25.93		1523.7							
	OBS	00037	18.95	36.50	26.20		1521.6							
	OBS	00050	18.73	36.50	26.25		1521.2							
	OBS	00075	18.27	36.47	26.35		1520.3							
	OBS	00100	18.02	36.44	26.39		1519.9							
	OBS	00125	17.78	36.43	26.44		1519.6							
	OBS	00150	17.54	36.40	26.47		1519.3							
	OBS	00200	17.33	36.39	26.52		1519.5							
	OBS	00250	17.24	36.40	26.55		1520.1							
	OBS	00300	17.04	36.39	26.59		1520.3							
	OBS	00340	16.91	36.38	26.61		1520.5							
	OBS	00400	16.19	36.20	26.64		1519.1							
	OBS	00440	15.35	36.08	26.74		1517.0							
	OBS	00489	14.82	36.04	26.83		1516.1							
	OBS	00500	14.83	36.04	26.83		1516.3							
	OBS	00600	13.27	35.76	26.94		1512.6							
	OBS	00700	11.64	35.52	27.08		1508.4							
	OBS	00766	09.99	35.29	27.20		1503.3							
	OBS	00800	09.55	35.25	27.24		1502.2							
	OBS	00827	08.76	35.18	27.32		1499.6							
	OBS	00858	08.22	35.13	27.36		1498.1							
	OBS	00900	07.89	35.17	27.44		1497.5							
	OBS	00932	07.43	35.17	27.51		1496.3							
	OBS	01000	07.10	35.17	27.56		1496.2							
	OBS	01100	06.46	35.19	27.66		1495.3							
	OBS	01122	06.23	35.17	27.68		1494.8							
	OBS	01200	05.45	35.08	27.71		1492.8							
	OBS	01212	05.32	35.06	27.71		1492.5							
	OBS	01230	05.12	35.05	27.72		1491.9							
	OBS	01300	04.96	35.05	27.74		1492.4							
	OBS	01400	04.63	35.03	27.76		1492.7							
	OBS	01470	04.46	35.02	27.77		1493.2							
	OBS	01500	04.49	35.04	27.79		1493.9							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 04023	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ L206
CONSEC 0032	MONTH 06	SHIP 1H	WET BULB 17.0	07 1 2	WIND-SPD 07	TRACE DIR 0	5 SQUARE 2
LAT 34 59 N	DAY 01	DATA USE 1	BAROMETR 1027.4	SEA	WIND-FUR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 029	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	21.21	36.59	25.66		1527.2							
	OBS	00010	21.08	36.57	25.68		1527.0							
	OBS	00020	20.56	36.55	25.81		1525.8							
	OBS	00030	19.55	36.57	26.10		1523.2							
	OBS	00050	18.85	36.50	26.22		1521.5							
	OBS	00075	18.37	36.47	26.32		1520.5							
	OBS	00100	18.10	36.46	26.38		1520.2							
	OBS	00125	17.91	36.44	26.41		1520.0							
	OBS	00150	17.70	36.40	26.44		1519.8							
	OBS	00200	17.55	36.44	26.50		1520.2							
	OBS	00230	17.31	36.37	26.51		1519.9							
	OBS	00250	17.34	36.42	26.54		1520.4							
	OBS	00300	17.16	36.41	26.57		1520.6							
	OBS	00400	16.44	36.26	26.63		1520.0							
	OBS	00500	14.95	36.01	26.78		1516.7							
	OBS	00600	13.34	35.75	26.92		1512.8							
	OBS	00627	13.13	35.74	26.96		1512.5							
	OBS	00700	11.86	35.52	27.04		1509.1							
	OBS	00800	09.37	35.22	27.25		1501.5							
	OBS	00822	08.91	35.15	27.27		1500.1							
	OBS	00840	08.39	35.13	27.34		1498.4							
	OBS	00900	07.76	35.17	27.46		1497.0							
	OBS	00924	07.74	35.18	27.47		1497.4							
	OBS	01000	06.84	35.15	27.58		1495.1							
	OBS	01100	05.29	34.99	27.65		1490.4							
	OBS	01130	05.04	34.98	27.68		1489.8							
	OBS	01154	05.12	34.99	27.67		1490.6							
	OBS	01170	04.97	34.99	27.69		1490.2							
	OBS	01180	05.04	35.02	27.71		1490.7							
	OBS	01200	04.95	35.01	27.71		1490.7							
	OBS	01243	04.72	34.98	27.71		1490.4							
	OBS	01300	04.65	34.99	27.73		1491.1							
	OBS	01400	04.50	35.00	27.75		1492.2							
	OBS	01500	04.27	34.99	27.77		1492.9							

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REFID 31 8322	YEAR 1972	BOTDP 04389	AIR TEMP 19.1	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ L206
CONSEC 0033	MONTH 06	SHIP 1H	WET BULB 16.1	08 2 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 01	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FUR	DURATION 00.4	2 SQUARE 48
LONG 048 06 W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 030	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	21.46	36.60	25.60		1527.9							
	OBS	00010	21.08	36.56	25.68		1527.0							
	OBS	00020	20.58	36.54	25.80		1525.8							
	OBS	00030	19.63	36.53	26.04		1523.4							
	OBS	00050	18.60	36.49	26.28		1520.8							
	OBS	00075	18.18	36.46	26.36		1520.0							
	OBS	00100	17.95	36.44	26.40		1519.7							
	OBS	00125	17.76	36.42	26.44		1519.5							
	OBS	00150	17.56	36.39	26.46		1519.3							
	OBS	00175	17.36	36.36	26.49		1519.1							
	OBS	00200	17.43	36.42	26.52		1519.8							
	OBS	00250	17.23	36.40	26.55		1520.0							
	OBS	00300	16.95	36.36	26.59		1520.0							
	OBS	00400	16.03	36.20	26.68		1518.6							
	OBS	00480	14.86	36.00	26.79		1516.1							
	OBS	00500	14.81	36.01	26.81		1516.2							
	OBS	00600	13.21	35.73	26.93		1512.3							
	OBS	00700	11.58	35.47	27.05		1508.1							
	OBS	00800	09.34	35.24	27.27		1501.4							
	OBS	00803	09.39	35.24	27.26		1501.7							
	OBS	00866	08.17	35.13	27.37		1498.0							
	OBS	00875	08.28	35.16	27.38		1498.6							
	OBS	00900	07.95	35.18	27.44		1497.8							
	OBS	01000	06.50	35.10	27.59		1493.7							
	OBS	01018	05.91	35.01	27.59		1491.5							
	OBS	01040	05.65	35.01	27.63		1490.9							
	OBS	01056	05.85	35.09	27.66		1492.0							
	OBS	01095	05.20	34.98	27.66		1489.9							
	OBS	01100	05.29	35.04	27.69		1490.4							
	OBS	01118	05.80	35.13	27.70		1492.3							
	OBS	01148	05.84	35.14	27.70		1493.6							
	OBS	01200	05.46	35.10	27.72		1492.9							
	OBS	01300	05.07	35.08	27.75		1492.9							
	OBS	01330	05.10	35.09	27.76		1493.6							
	OBS	01350	04.93	35.06	27.75		1493.2							
	OBS	01357	05.00	35.08	27.76		1493.6							
	OBS	01393	04.61	35.02	27.76		1492.5							
	OBS	01400	04.76	35.06	27.77		1493.3							
	OBS	01408	04.56	35.05	27.79		1492.6							
	OBS	01438	04.69	35.06	27.78		1493.7							
	OBS	01500	04.47	35.02	27.77		1493.7							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 04206 AIR TEMP 20.8 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0034 MONTH 06 SHIP 1H WET BULB 17.8 17 3 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 047 59 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 031 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	21.18	36.52	25.62		1527.1							
	OBS	00010	21.17	36.53	25.63		1527.2							
	OBS	00020	20.92	36.49	25.67		1526.7							
	OBS	00030	20.08	36.54	25.93		1524.6							
	OBS	00050	18.77	36.50	26.24		1521.3							
	OBS	00075	18.14	36.43	26.35		1519.8							
	OBS	00100	17.86	36.42	26.41		1519.4							
	OBS	00125	17.68	36.40	26.44		1519.3							
	OBS	00150	17.49	36.41	26.49		1519.2							
	OBS	00200	17.36	36.41	26.53		1519.6							
	OBS	00250	17.16	36.39	26.56		1519.8							
	OBS	00300	16.86	36.35	26.60		1519.7							
	OBS	00342	16.56	36.30	26.63		1519.4							
	OBS	00400	15.82	36.14	26.68		1517.9							
	OBS	00464	14.96	36.02	26.78		1516.1							
	OBS	00500	14.76	35.99	26.81		1516.1							
	OBS	00600	13.22	35.75	26.95		1512.4							
	OBS	00620	13.10	35.74	26.96		1512.3							
	OBS	00700	11.99	35.55	27.04		1509.6							
	OBS	00712	11.59	35.47	27.05		1508.3							
	OBS	00740	11.19	35.44	27.10		1507.4							
	OBS	00800	09.88	35.28	27.21		1503.5							
	OBS	00810	09.40	35.19	27.22		1501.8							
	OBS	00850	08.45	35.13	27.33		1498.8							
	OBS	00900	07.78	35.17	27.46		1497.1							
	OBS	00923	07.42	35.16	27.51		1496.1							
	OBS	00933	07.51	35.20	27.52		1496.7							
	OBS	00992	06.85	35.15	27.58		1495.0							
	OBS	01000	07.00	35.21	27.60		1495.8							
	OBS	01100	06.06	35.14	27.68		1493.7							
	OBS	01135	05.93	35.15	27.70		1493.7							
	OBS	01160	05.98	35.18	27.72		1494.4							
	OBS	01200	05.72	35.15	27.73		1494.0							
	OBS	01250	05.56	35.14	27.74		1494.2							
	OBS	01270	05.56	35.15	27.75		1494.5							
	OBS	01300	05.34	35.12	27.75		1494.1							
	OBS	01325	04.99	35.07	27.75		1493.0							
	OBS	01342	05.04	35.09	27.76		1493.5							
	OBS	01362	04.74	35.04	27.76		1492.6							
	OBS	01400	04.67	35.03	27.76		1492.9							
	OBS	01440	04.54	35.01	27.76		1493.0							
	OBS	01500	04.51	35.03	27.78		1493.9							

REFID 31 8322 YEAR 1972 BOTOP 03658 AIR TEMP 19.6 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206
CONSEC 0035 MONTH 06 SHIP 1H WET BULB 17.3 08 4 3 WIND-SPD 17 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1027.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 02 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 032 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	21.44	36.59	25.60		1527.8							
	OBS	00010	21.39	36.58	25.61		1527.8							
	OBS	00020	21.01	36.55	25.69		1527.0							
	OBS	00030	19.84	36.49	25.96		1523.9							
	OBS	00050	18.70	36.47	26.24		1521.1							
	OBS	00075	18.26	36.45	26.33		1520.2							
	OBS	00100	18.03	36.45	26.39		1520.0							
	OBS	00125	17.84	36.44	26.43		1519.8							
	OBS	00150	17.63	36.41	26.46		1519.6							
	OBS	00200	17.35	36.38	26.51		1519.5							
	OBS	00250	17.32	36.42	26.54		1520.3							
	OBS	00300	17.01	36.38	26.59		1520.2							
	OBS	00360	16.62	36.30	26.62		1519.9							
	OBS	00400	16.10	36.21	26.67		1518.9							
	OBS	00470	14.94	35.99	26.77		1516.1							
	OBS	00500	14.74	36.00	26.82		1516.0							
	OBS	00600	13.16	35.73	26.94		1512.2							
	OBS	00650	12.68	35.64	26.97		1511.3							
	OBS	00700	11.62	35.49	27.06		1508.3							
	OBS	00800	09.47	35.25	27.26		1501.9							
	OBS	00811	09.01	35.17	27.27		1500.3							
	OBS	00840	08.51	35.17	27.35		1498.9							
	OBS	00900	07.90	35.18	27.45		1497.6							
	OBS	00982	06.77	35.06	27.52		1494.4							
	OBS	01000	06.53	35.10	27.58		1493.8							
	OBS	01050	05.76	35.00	27.60		1491.4							
	OBS	01082	06.08	35.12	27.66		1493.4							
	OBS	01100	05.74	35.06	27.65		1492.3							
	OBS	01122	05.87	35.12	27.68		1493.3							
	OBS	01178	05.48	35.08	27.70		1492.6							
	OBS	01185	05.54	35.11	27.72		1493.0							
	OBS	01200	05.51	35.11	27.72		1493.1							
	OBS	01230	05.28	35.07	27.72		1492.6							
	OBS	01244	05.35	35.10	27.73		1493.2							
	OBS	01260	05.08	35.06	27.73		1492.3							
	OBS	01300	05.13	35.08	27.74		1493.2							
	OBS	01360	04.81	35.04	27.75		1492.8							
	OBS	01378	04.90	35.07	27.76		1493.5							
	OBS	01400	04.69	35.03	27.76		1493.0							
	OBS	01448	04.85	35.08	27.78		1494.5							
	OBS	01490	04.68	35.05	27.77		1494.5							
	OBS	01500	04.65	35.07	27.79		1494.6							

TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 03749	AIR TEMP 20.7	DIR HGT PER	WIND-DIR 06	INST STD RECORDER	TEN SQ 1206
CONSEC 0036	MONTH 06	SHIP IH	WET BULB 18.7	06 4 3	WIND-SPD 21	TRACE DIR D	5 SQUARE 4
LAT 35 03 N	DAY 03	DATA USE 1	BAROMETR 1027.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 59 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 033	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	21.33	36.58	25.62		1527.5							
	OBS	00010	20.99	36.56	25.70		1526.8							
	OBS	00020	20.67	36.57	25.80		1526.1							
	OBS	00030	19.92	36.55	25.98		1524.2							
	OBS	00050	19.15	36.53	26.17		1522.4							
	OBS	00075	18.53	36.49	26.30		1521.0							
	OBS	00100	18.31	36.48	26.34		1520.8							
	OBS	00125	18.03	36.45	26.39		1520.4							
	OBS	00150	17.84	36.45	26.44		1520.2							
	OBS	00200	17.57	36.43	26.49		1520.2							
	OBS	00210	17.45	36.40	26.50		1520.0							
	OBS	00240	17.35	36.40	26.52		1520.2							
	OBS	00250	17.39	36.43	26.53		1520.5							
	OBS	00300	17.16	36.40	26.57		1520.6							
	OBS	00360	16.93	36.37	26.60		1520.9							
	OBS	00400	16.64	36.31	26.62		1520.6							
	OBS	00500	15.33	36.04	26.72		1517.9							
	OBS	00600	13.68	35.79	26.88		1514.0							
	OBS	00700	11.79	35.50	27.04		1508.9							
	OBS	00800	09.70	35.24	27.21		1502.8							
	OBS	00850	08.54	35.14	27.32		1499.1							
	OBS	00900	07.92	35.17	27.44		1497.7							
	OBS	01000	06.69	35.11	27.57		1494.5							
	OBS	01068	05.85	35.08	27.66		1492.2							
	OBS	01084	05.97	35.13	27.68		1493.0							
	OBS	01100	05.90	35.12	27.68		1493.0							
	OBS	01125	05.61	35.08	27.69		1492.2							
	OBS	01200	05.37	35.09	27.72		1492.5							
	OBS	01215	05.26	35.07	27.72		1492.3							
	OBS	01220	05.34	35.11	27.74		1492.7							
	OBS	01300	04.88	35.04	27.74		1492.1							
	OBS	01355	04.75	35.03	27.75		1492.5							
	OBS	01382	04.52	35.00	27.75		1491.9							
	OBS	01390	04.56	35.01	27.75		1492.3							
	OBS	01400	04.55	35.00	27.75		1492.4							
	OBS	01440	04.39	34.99	27.76		1492.4							
	OBS	01500	04.32	35.00	27.77		1493.1							

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REFID 31 8322	YEAR 1972	BOTDP 04123	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0037	MONTH 06	SHIP IH	WET BULB 18.2	08 4 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 35 05 N	DAY 03	DATA USE 1	BAROMETR 1027.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 55.5W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 034	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	20.96	36.50	25.66		1526.5							
	OBS	00010	20.89	36.48	25.67		1526.4							
	OBS	00020	19.84	36.42	25.90		1523.7							
	OBS	00030	19.09	36.40	26.09		1521.8							
	OBS	00050	18.26	36.42	26.31		1519.8							
	OBS	00075	17.99	36.43	26.39		1519.4							
	OBS	00100	17.69	36.40	26.44		1518.9							
	OBS	00125	17.52	36.38	26.46		1518.8							
	OBS	00150	17.41	36.39	26.50		1518.9							
	OBS	00200	17.32	36.39	26.52		1519.5							
	OBS	00250	17.18	36.40	26.56		1519.9							
	OBS	00300	16.99	36.38	26.59		1520.1							
	OBS	00350	16.62	36.31	26.63		1519.7							
	OBS	00400	15.82	36.15	26.69		1517.9							
	OBS	00440	15.13	36.01	26.74		1516.3							
	OBS	00500	14.68	35.99	26.82		1515.8							
	OBS	00600	13.49	35.79	26.92		1513.3							
	OBS	00700	11.75	35.52	27.06		1508.8							
	OBS	00800	09.81	35.27	27.21		1503.2							
	OBS	00811	09.60	35.22	27.21		1502.5							
	OBS	00860	08.70	35.18	27.33		1500.0							
	OBS	00900	07.98	35.12	27.39		1497.8							
	OBS	01000	06.75	35.14	27.58		1494.7							
	OBS	01020	06.82	35.16	27.59		1495.4							
	OBS	01030	06.69	35.14	27.59		1495.0							
	OBS	01100	06.16	35.11	27.64		1494.0							
	OBS	01110	05.96	35.09	27.65		1493.4							
	OBS	01200	05.70	35.13	27.71		1493.9							
	OBS	01225	05.79	35.16	27.73		1494.7							
	OBS	01236	05.59	35.12	27.72		1494.0							
	OBS	01246	05.62	35.14	27.73		1494.3							
	OBS	01300	05.25	35.09	27.74		1493.7							
	OBS	01400	04.95	35.09	27.77		1494.1							
	OBS	01419	04.79	35.06	27.77		1493.8							
	OBS	01430	04.91	35.09	27.78		1494.5							
	OBS	01500	04.57	35.04	27.78		1494.2							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 04297 AIR TEMP 20.6 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206
CONSEC 0038 MONTH 06 SHIP IM WET BULB 19.2 05 3 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 35 05 N DAY 04 DATA USE 1 BAROMETR 1025.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 58 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 035 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	20.98	36.49	25.65		1526.5							
	OBS	00010	20.97	36.49	25.65		1526.0							
	OBS	00020	20.27	36.43	25.80		1524.9							
	OBS	00030	19.22	36.42	26.07		1522.1							
	OBS	00050	18.41	36.44	26.29		1520.2							
	OBS	00075	18.01	36.42	26.37		1519.5							
	OBS	00100	17.83	36.43	26.43		1519.4							
	OBS	00125	17.64	36.41	26.46		1519.2							
	OBS	00150	17.50	36.40	26.48		1519.2							
	OBS	00170	17.38	36.38	26.50		1519.1							
	OBS	00175	17.42	36.41	26.51		1519.4							
	OBS	00200	17.34	36.40	26.52		1519.5							
	OBS	00250	17.15	36.39	26.56		1519.8							
	OBS	00300	16.95	36.37	26.59		1520.0							
	OBS	00350	16.60	36.30	26.62		1519.7							
	OBS	00400	15.83	36.13	26.67		1517.9							
	OBS	00450	15.18	36.02	26.74		1516.6							
	OBS	00500	14.76	35.99	26.81		1516.1							
	OBS	00600	13.64	35.80	26.90		1513.8							
	OBS	00657	12.98	35.70	26.96		1512.5							
	OBS	00700	12.04	35.54	27.02		1509.8							
	OBS	00800	09.60	35.25	27.23		1502.4							
	OBS	00821	09.09	35.18	27.26		1500.8							
	OBS	00828	09.22	35.24	27.29		1501.4							
	OBS	00871	08.30	35.15	27.37		1498.6							
	OBS	00900	08.08	35.18	27.42		1498.3							
	OBS	00972	07.02	35.13	27.54		1495.3							
	OBS	00979	07.12	35.16	27.55		1495.9							
	OBS	01000	06.98	35.20	27.60		1495.7							
	OBS	01033	06.94	35.19	27.60		1496.1							
	OBS	01100	06.37	35.19	27.68		1495.0							
	OBS	01160	05.79	35.13	27.70		1493.6							
	OBS	01176	05.97	35.19	27.73		1494.6							
	OBS	01200	05.74	35.14	27.72		1494.1							
	OBS	01221	05.50	35.10	27.72		1493.4							
	OBS	01239	05.57	35.14	27.74		1494.0							
	OBS	01300	05.11	35.08	27.75		1493.1							
	OBS	01335	05.06	35.07	27.74		1493.5							
	OBS	01345	04.81	35.03	27.74		1492.6							
	OBS	01400	04.65	35.02	27.75		1492.8							
	OBS	01445	04.52	35.02	27.77		1493.0							
	OBS	01500	04.51	35.03	27.78		1493.9							

REFID 31 8322 YEAR 1972 BOTDP 04389 AIR TEMP 20.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0039 MONTH 06 SHIP IM WET BULB 17.9 15 3 3 WIND-SPD 17 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 04 DATA USE 1 BAROMETR 1025.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 59 W HOUR 23.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 036 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.3	OBS	00000	21.33	36.50	25.56		1527.4							
	OBS	00010	21.33	36.51	25.57		1527.6							
	OBS	00020	21.05	36.48	25.62		1527.0							
	OBS	00030	20.30	36.44	25.80		1525.1							
	OBS	00050	18.87	36.41	26.15		1521.5							
	OBS	00075	18.24	36.44	26.33		1520.1							
	OBS	00100	17.88	36.43	26.41		1519.5							
	OBS	00125	17.63	36.40	26.45		1519.1							
	OBS	00150	17.41	36.37	26.48		1518.9							
	OBS	00200	17.31	36.39	26.52		1519.4							
	OBS	00250	17.17	36.39	26.56		1519.8							
	OBS	00300	17.05	36.39	26.59		1520.3							
	OBS	00369	16.55	36.30	26.64		1519.8							
	OBS	00400	16.15	36.20	26.65		1519.0							
	OBS	00500	14.96	36.01	26.78		1516.7							
	OBS	00600	13.75	35.82	26.89		1514.2							
	OBS	00670	12.84	35.69	26.98		1512.2							
	OBS	00700	12.20	35.57	27.01		1510.4							
	OBS	00800	10.07	35.29	27.19		1504.2							
	OBS	00860	08.67	35.14	27.30		1499.8							
	OBS	00868	08.75	35.20	27.33		1500.3							
	OBS	00900	08.18	35.17	27.40		1498.6							
	OBS	00962	07.29	35.15	27.52		1496.2							
	OBS	00980	07.27	35.16	27.53		1496.5							
	OBS	01000	06.91	35.11	27.54		1495.3							
	OBS	01033	06.53	35.13	27.61		1494.4							
	OBS	01055	06.48	35.14	27.62		1494.0							
	OBS	01066	06.21	35.09	27.62		1493.6							
	OBS	01088	06.11	35.12	27.65		1493.6							
	OBS	01100	06.20	35.16	27.67		1494.3							
	OBS	01111	06.05	35.13	27.67		1493.8							
	OBS	01128	06.09	35.16	27.69		1494.3							
	OBS	01152	06.04	35.16	27.69		1494.5							
	OBS	01200	05.51	35.10	27.71		1493.1							
	OBS	01210	05.62	35.12	27.72		1493.7							
	OBS	01220	05.46	35.10	27.72		1493.2							
	OBS	01232	05.65	35.15	27.74		1494.2							
	OBS	01255	05.32	35.10	27.74		1493.2							
	OBS	01287	05.33	35.10	27.74		1493.8							
	OBS	01300	04.95	35.04	27.73		1492.4							
	OBS	01338	04.97	35.06	27.75		1493.1							
	OBS	01400	04.61	35.02	27.76		1492.6							
	OBS	01500	04.41	35.02	27.78		1493.5							

TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 03983 AIR TEMP 19.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0040 MONTH 06 SHIP IH WET BULB 17.0 15 2 3 WIND-SPD 17 TRACE DIR D 5 SQUARE 4
LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 02 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER XL ORIG ETZ 037 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	20.99	36.49	25.65		1526.5							
	OBS	00010	21.00	36.49	25.65		1526.7							
	OBS	00020	20.42	36.41	25.74		1525.2							
	OBS	00030	19.35	36.44	26.05		1522.5							
	OBS	00050	18.32	36.42	26.30		1519.9							
	OBS	00075	17.98	36.44	26.40		1519.4							
	OBS	00100	17.67	36.41	26.45		1518.9							
	OBS	00125	17.54	36.41	26.48		1518.9							
	OBS	00150	17.41	36.39	26.50		1518.9							
	OBS	00200	17.31	36.39	26.52		1519.4							
	OBS	00250	17.18	36.39	26.55		1519.9							
	OBS	00300	17.00	36.38	26.59		1520.1							
	OBS	00350	16.67	36.32	26.62		1519.9							
	OBS	00400	16.08	36.21	26.68		1518.8							
	OBS	00450	15.06	36.02	26.76		1516.2							
	OBS	00480	14.79	36.00	26.81		1515.8							
	OBS	00490	14.84	36.02	26.81		1516.2							
	OBS	00500	14.78	36.01	26.82		1516.1							
	OBS	00600	13.70	35.83	26.91		1514.1							
	OBS	00640	13.43	35.78	26.93		1513.8							
	OBS	00700	12.38	35.62	27.01		1511.0							
	OBS	00800	10.34	35.32	27.16		1505.2							
	OBS	00870	08.75	35.12	27.27		1500.2							
	OBS	00900	08.14	35.16	27.40		1498.5							
	OBS	00944	07.76	35.18	27.47		1497.8							
	OBS	00960	07.32	35.14	27.50		1496.3							
	OBS	01000	07.02	35.13	27.54		1495.8							
	OBS	01012	06.83	35.14	27.57		1495.3							
	OBS	01019	06.92	35.16	27.58		1495.8							
	OBS	01055	06.48	35.15	27.63		1494.6							
	OBS	01073	06.61	35.19	27.64		1495.5							
	OBS	01100	06.11	35.12	27.65		1493.8							
	OBS	01110	06.05	35.12	27.66		1493.8							
	OBS	01121	06.14	35.16	27.68		1494.4							
	OBS	01170	05.68	35.10	27.69		1493.3							
	OBS	01200	05.66	35.13	27.72		1493.7							
	OBS	01220	05.81	35.18	27.74		1494.7							
	OBS	01230	05.65	35.15	27.74		1494.2							
	OBS	01245	05.72	35.17	27.74		1494.8							
	OBS	01300	05.41	35.13	27.75		1494.4							
	OBS	01400	04.96	35.09	27.77		1494.2							
	OBS	01500	04.69	35.07	27.79		1494.7							

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REFID 31 8322 YEAR 1972 BOTDP 04393 AIR TEMP 20.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206
CONSEC 0041 MONTH 06 SHIP IH WET BULB 19.1 15 3 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 34 58 N DAY 05 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 54 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER XL ORIG ETZ 038 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	20.98	36.46	25.63		1526.5							
	OBS	00010	20.96	36.46	25.63		1526.6							
	OBS	00020	20.89	36.46	25.65		1526.6							
	OBS	00030	20.40	36.38	25.72		1525.3							
	OBS	00050	18.73	36.39	26.17		1521.1							
	OBS	00075	18.01	36.43	26.38		1519.5							
	OBS	00100	17.83	36.43	26.43		1519.4							
	OBS	00125	17.73	36.42	26.44		1519.5							
	OBS	00150	17.49	36.39	26.48		1519.1							
	OBS	00200	17.27	36.37	26.52		1519.3							
	OBS	00250	17.21	36.39	26.55		1519.9							
	OBS	00300	16.96	36.36	26.58		1520.0							
	OBS	00340	16.66	36.31	26.62		1519.7							
	OBS	00400	15.94	36.17	26.68		1518.3							
	OBS	00420	15.55	36.11	26.72		1517.4							
	OBS	00500	14.95	36.02	26.79		1516.7							
	OBS	00545	14.70	35.99	26.82		1516.5							
	OBS	00600	13.98	35.85	26.87		1515.0							
	OBS	00650	13.55	35.78	26.90		1514.3							
	OBS	00700	12.84	35.69	26.98		1512.7							
	OBS	00800	10.56	35.33	27.13		1506.0							
	OBS	00848	09.00	35.17	27.27		1500.9							
	OBS	00885	08.69	35.20	27.34		1500.4							
	OBS	00900	08.36	35.16	27.36		1499.3							
	OBS	00950	07.69	35.17	27.47		1497.6							
	OBS	01000	07.37	35.21	27.55		1497.3							
	OBS	01100	06.54	35.19	27.65		1495.6							
	OBS	01111	06.35	35.15	27.65		1495.0							
	OBS	01140	06.08	35.14	27.67		1494.4							
	OBS	01143	05.95	35.14	27.69		1493.9							
	OBS	01160	06.04	35.16	27.69		1494.6							
	OBS	01178	05.83	35.13	27.70		1494.0							
	OBS	01183	05.94	35.15	27.70		1494.6							
	OBS	01200	05.72	35.12	27.70		1493.9							
	OBS	01221	05.75	35.15	27.72		1494.5							
	OBS	01300	05.47	35.14	27.75		1494.6							
	OBS	01400	05.27	35.13	27.77		1495.5							
	OBS	01419	05.01	35.09	27.77		1494.7							
	OBS	01440	04.79	35.06	27.77		1494.1							
	OBS	01480	04.79	35.06	27.77		1494.8							
	OBS	01500	04.61	35.06	27.79		1494.4							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 03200 AIR TEMP 20.8 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0042 MONTH 06 SHIP IH WET BULB 18.5 49 2 X WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 35 01 N DAY 06 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 03 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ET2 039 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	21.13	36.46	25.59		1526.9							
	OBS	00010	21.06	36.45	25.60		1526.8							
	OBS	00020	20.76	36.49	25.71		1526.3							
	OBS	00030	19.65	36.43	25.96		1523.3							
	OBS	00050	18.38	36.42	26.28		1520.1							
	OBS	00075	18.07	36.43	26.37		1519.6							
	OBS	00100	17.87	36.43	26.42		1519.5							
	OBS	00125	17.66	36.41	26.45		1519.2							
	OBS	00150	17.50	36.39	26.48		1519.2							
	OBS	00200	17.36	36.39	26.51		1519.0							
	OBS	00250	17.30	36.40	26.53		1520.2							
	OBS	00300	17.06	36.38	26.58		1520.3							
	OBS	00330	16.97	36.37	26.59		1520.5							
	OBS	00400	16.42	36.26	26.64		1519.9							
	OBS	00500	15.08	36.02	26.76		1517.1							
	OBS	00600	13.77	35.81	26.88		1514.3							
	OBS	00700	12.14	35.57	27.02		1510.2							
	OBS	00800	09.64	35.21	27.20		1502.5							
	OBS	00875	08.37	35.13	27.34		1498.9							
	OBS	00900	08.21	35.17	27.40		1498.8							
	OBS	00920	08.07	35.18	27.42		1498.6							
	OBS	00980	06.96	35.11	27.53		1495.2							
	OBS	01000	06.84	35.11	27.55		1495.1							
	OBS	01030	06.71	35.13	27.58		1495.1							
	OBS	01055	05.98	35.06	27.62		1492.5							
	OBS	01080	06.47	35.18	27.65		1495.0							
	OBS	01100	06.16	35.13	27.66		1494.1							
	OBS	01115	06.14	35.15	27.67		1494.3							
	OBS	01133	05.90	35.11	27.67		1493.5							
	OBS	01160	05.92	35.14	27.69		1494.1							
	OBS	01200	05.60	35.10	27.70		1493.4							
	OBS	01218	05.55	35.10	27.71		1493.5							
	OBS	01235	05.21	35.05	27.71		1492.4							
	OBS	01300	04.98	35.04	27.73		1492.5							
	OBS	01400	04.67	35.02	27.75		1492.9							
	OBS	01500	04.42	35.01	27.77		1491.5							

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REFID 31 8322 YEAR 1972 BOTDP 04206 AIR TEMP 21.0 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206
CONSEC 0043 MONTH 06 SHIP IH WET BULB 19.1 99 3 X WIND-SPD 11 TRACE DIR D 5 SQUARE 4
LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1021.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 58 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG ET2 040 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	OBS	00000	21.40	36.47	25.52		1527.6							
	OBS	00010	21.29	36.46	25.54		1527.4							
	OBS	00020	20.03	36.30	25.76		1524.1							
	OBS	00030	19.02	36.43	26.13		1521.6							
	OBS	00050	18.45	36.41	26.26		1520.3							
	OBS	00075	18.03	36.42	26.37		1519.5							
	OBS	00100	17.85	36.41	26.41		1519.4							
	OBS	00125	17.73	36.41	26.44		1519.4							
	OBS	00150	17.51	36.39	26.47		1519.2							
	OBS	00185	17.38	36.40	26.51		1519.4							
	OBS	00200	17.42	36.42	26.52		1519.8							
	OBS	00250	17.17	36.39	26.56		1519.8							
	OBS	00277	16.98	36.35	26.57		1519.7							
	OBS	00290	16.99	36.37	26.58		1519.9							
	OBS	00300	16.94	36.36	26.59		1519.9							
	OBS	00340	16.69	36.32	26.62		1519.8							
	OBS	00400	16.04	36.19	26.67		1518.6							
	OBS	00440	15.44	36.08	26.72		1517.3							
	OBS	00472	15.04	36.01	26.76		1516.5							
	OBS	00500	14.83	36.00	26.80		1516.3							
	OBS	00600	13.77	35.82	26.89		1514.3							
	OBS	00700	12.58	35.61	26.97		1511.7							
	OBS	00758	11.28	35.44	27.08		1508.0							
	OBS	00800	10.48	35.35	27.16		1505.7							
	OBS	00870	08.58	35.16	27.33		1499.7							
	OBS	00880	08.65	35.19	27.34		1500.1							
	OBS	00900	08.36	35.16	27.36		1499.3							
	OBS	00920	07.98	35.15	27.41		1498.2							
	OBS	01000	07.22	35.17	27.54		1496.6							
	OBS	01100	06.14	35.11	27.64		1494.0							
	OBS	01115	05.93	35.13	27.69		1493.4							
	OBS	01142	05.82	35.10	27.68		1493.4							
	OBS	01154	05.89	35.13	27.69		1493.9							
	OBS	01169	05.71	35.10	27.69		1493.4							
	OBS	01180	05.89	35.15	27.71		1494.3							
	OBS	01200	05.78	35.15	27.72		1494.2							
	OBS	01255	05.43	35.11	27.73		1493.7							
	OBS	01268	05.50	35.13	27.74		1494.2							
	OBS	01300	05.23	35.09	27.74		1493.6							
	OBS	01340	05.06	35.09	27.76		1493.6							
	OBS	01400	04.95	35.07	27.76		1494.1							
	OBS	01500	04.60	35.04	27.77		1494.3							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BUTDP 03658	AIR TEMP 21.6	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0044	MONTH 06	SHIP 1M	WET BULB 20.0	18 2 2	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LAT 34 59.5N	DAY 07	DATA USE 1	BAROMETR 1021.2	SEA	WIND-FOR	DURATION 00.5	7 SQUARE 48
LONG 048 01 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TH	WEATHER X2	URIG E72 041	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	21.29	36.48	25.56		1527.3							
	OBS	00010	20.79	36.44	25.67		1526.1							
	OBS	00020	19.74	36.43	25.94		1523.4							
	OBS	00030	19.19	36.42	26.07		1522.1							
	OBS	00050	18.48	36.42	26.26		1520.4							
	OBS	00075	18.07	36.43	26.37		1519.6							
	OBS	00100	17.89	36.43	26.41		1519.5							
	OBS	00125	17.76	36.42	26.44		1519.5							
	OBS	00150	17.62	36.40	26.45		1519.5							
	OBS	00160	17.54	36.40	26.47		1519.5							
	OBS	00175	17.55	36.41	26.48		1519.7							
	OBS	00200	17.38	36.38	26.50		1519.6							
	OBS	00250	17.29	36.39	26.53		1520.2							
	OBS	00300	17.11	36.38	26.56		1520.5							
	OBS	00400	16.41	36.27	26.65		1519.9							
	OBS	00500	14.99	36.00	26.76		1516.8							
	OBS	00538	14.70	35.99	26.82		1516.5							
	OBS	00600	13.79	35.82	26.88		1514.4							
	OBS	00700	12.22	35.57	27.01		1510.4							
	OBS	00800	10.03	35.29	27.19		1504.0							
	OBS	00850	08.72	35.14	27.29		1499.8							
	OBS	00900	08.23	35.17	27.39		1498.8							
	OBS	00965	07.51	35.17	27.50		1497.2							
	OBS	00978	07.06	35.13	27.53		1495.6							
	OBS	00987	07.16	35.17	27.55		1496.2							
	OBS	01000	07.07	35.18	27.57		1496.0							
	OBS	01012	06.93	35.18	27.59		1495.7							
	OBS	01030	06.40	35.09	27.59		1493.8							
	OBS	01052	06.27	35.09	27.61		1493.6							
	OBS	01070	06.70	35.19	27.63		1495.8							
	OBS	01082	06.38	35.14	27.63		1494.6							
	OBS	01100	06.24	35.13	27.64		1494.4							
	OBS	01115	06.27	35.16	27.66		1494.8							
	OBS	01140	06.05	35.14	27.68		1494.3							
	OBS	01155	06.16	35.18	27.69		1495.0							
	OBS	01200	05.79	35.14	27.71		1494.3							
	OBS	01228	05.56	35.11	27.72		1493.8							
	OBS	01243	05.61	35.13	27.73		1494.2							
	OBS	01252	05.35	35.09	27.73		1493.3							
	OBS	01300	05.02	35.04	27.73		1492.7							
	OBS	01345	05.00	35.06	27.74		1493.4							
	OBS	01400	04.75	35.03	27.75		1493.2							
	OBS	01438	04.61	35.02	27.76		1493.3							
	OBS	01460	04.67	35.04	27.77		1493.9							
	OBS	01489	04.76	35.06	27.77		1494.8							
	OBS	01500	04.68	35.04	27.77		1494.6							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 03292	AIR TEMP 21.4	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0045	MONTH 06	SHIP IM	WET BULB 20.2	21 3 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 35 05 N	DAY 07	DATA USE 1	BAROMETR 1022.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 57 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG E72 042	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	21.34	36.48	25.54		1527.4							
	OBS	00010	21.32	36.48	25.55		1527.5							
	OBS	00020	19.64	36.40	25.94		1523.1							
	OBS	00030	19.07	36.43	26.11		1521.7							
	OBS	00050	18.72	36.42	26.20		1521.1							
	OBS	00075	18.26	36.42	26.31		1520.2							
	OBS	00100	18.03	36.42	26.37		1519.9							
	OBS	00125	17.90	36.42	26.40		1520.0							
	OBS	00150	17.73	36.40	26.43		1519.8							
	OBS	00200	17.42	36.39	26.50		1519.7							
	OBS	00230	17.36	36.39	26.51		1520.1							
	OBS	00240	17.41	36.42	26.52		1520.4							
	OBS	00250	17.36	36.40	26.52		1520.4							
	OBS	00259	17.18	36.37	26.54		1520.0							
	OBS	00300	17.05	36.37	26.57		1520.3							
	OBS	00355	16.90	36.35	26.59		1520.7							
	OBS	00400	16.28	36.22	26.64		1519.4							
	OBS	00500	15.03	36.00	26.75		1516.9							
	OBS	00540	14.66	35.98	26.82		1516.4							
	OBS	00600	13.65	35.80	26.90		1513.9							
	OBS	00651	13.05	35.70	26.94		1512.6							
	OBS	00700	12.13	35.56	27.02		1510.1							
	OBS	00800	09.85	35.26	27.20		1505.3							
	OBS	00900	08.24	35.16	27.38		1498.9							
	OBS	00996	07.07	35.15	27.55		1495.9							
	OBS	01000	07.13	35.18	27.56		1496.3							
	OBS	01008	07.26	35.21	27.57		1497.0							
	OBS	01058	06.33	35.10	27.61		1494.0							
	OBS	01080	06.19	35.10	27.63		1493.8							
	OBS	01100	05.80	35.05	27.64		1492.5							
	OBS	01122	06.00	35.14	27.68		1493.8							
	OBS	01150	05.92	35.14	27.69		1493.9							
	OBS	01162	06.00	35.16	27.70		1494.5							
	OBS	01200	05.66	35.12	27.71		1493.7							
	OBS	01210	05.57	35.10	27.71		1493.5							
	OBS	01231	05.65	35.14	27.73		1494.2							
	OBS	01300	05.08	35.06	27.73		1492.9							
	OBS	01400	05.00	35.09	27.77		1494.3							
	OBS	01440	04.80	35.05	27.76		1494.1							
	OBS	01450	04.78	35.06	27.77		1494.2							
	OBS	01455	04.85	35.08	27.78		1494.6							
	OBS	01470	04.83	35.08	27.78		1494.8							
	OBS	01480	04.58	35.04	27.78		1493.9							
	OBS	01500	04.67	35.06	27.78		1494.6							

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REFID 31 8322	YEAR 1972	BOTDP 04297	AIR TEMP 22.4	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1206
CONSEC 0046	MONTH 06	SHIP IM	WET BULB 21.2	27 3 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 08	DATA USE 1	BAROMETR 1023.5	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 48
LONG 048 00 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 043	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	21.34	36.48	25.54		1527.4							
	OBS	00010	21.00	36.45	25.62		1526.7							
	OBS	00020	20.24	36.40	25.78		1524.8							
	OBS	00030	19.69	36.40	25.93		1523.4							
	OBS	00050	17.94	36.38	26.36		1518.8							
	OBS	00075	17.58	36.39	26.46		1518.2							
	OBS	00100	17.47	36.39	26.48		1518.3							
	OBS	00125	17.41	36.38	26.49		1518.5							
	OBS	00150	17.43	36.41	26.51		1519.0							
	OBS	00200	17.25	36.39	26.54		1519.2							
	OBS	00250	17.03	36.34	26.55		1519.4							
	OBS	00300	16.64	36.30	26.61		1519.0							
	OBS	00400	15.76	36.13	26.69		1517.7							
	OBS	00500	14.46	35.91	26.81		1515.0							
	OBS	00600	13.43	35.78	26.93		1513.1							
	OBS	00700	11.95	35.53	27.03		1509.5							
	OBS	00800	09.65	35.23	27.21		1502.6							
	OBS	00900	08.15	35.17	27.40		1498.5							
	OBS	00950	07.33	35.15	27.51		1496.2							
	OBS	01000	06.99	35.18	27.58		1495.7							
	OBS	01077	06.08	35.13	27.67		1493.4							
	OBS	01080	06.16	35.16	27.68		1493.8							
	OBS	01090	06.03	35.13	27.67		1493.4							
	OBS	01100	06.06	35.15	27.68		1493.7							
	OBS	01200	05.75	35.17	27.74		1494.1							
	OBS	01280	05.35	35.13	27.76		1493.6							
	OBS	01300	05.14	35.09	27.75		1493.2							
	OBS	01340	04.90	35.07	27.76		1492.9							
	OBS	01400	04.75	35.06	27.77		1493.3							
	OBS	01500	04.42	35.03	27.79		1493.5							
	OBS	01750	03.99	35.00	27.81		1495.9							
	OBS	01799	04.03	35.01	27.81		1496.9							
	OBS	01900	03.95	35.01	27.82		1498.3							
	OBS	01925	04.01	35.02	27.82		1499.0							
	OBS	02000	03.91	35.02	27.83		1499.9							
	OBS	02500	03.38	34.98	27.85		1506.1							
	OBS	03000	03.01	34.95	27.87		1513.1							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 03977 AIR TEMP 21.8 DIR MGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0047 MONTH 06 SHIP 1H WET BULB 20.3 19 3 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2
LAT 34 58 N DAY 09 DATA USE 1 BAROMETR 1023.8 SEA WIND-FUR DURATION 00.5 2 SQUARE 48
LONG 048 05 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 044 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	21.51	36.48	25.50		1527.9							
	OBS	00010	21.26	36.48	25.57		1527.4							
	OBS	00020	20.49	36.43	25.74		1525.5							
	OBS	00030	19.43	36.39	25.99		1522.7							
	OBS	00050	18.59	36.41	26.22		1520.7							
	OBS	00075	18.04	36.43	26.37		1519.6							
	OBS	00100	17.87	36.42	26.41		1519.5							
	OBS	00125	17.76	36.44	26.45		1519.6							
	OBS	00150	17.58	36.41	26.47		1519.4							
	OBS	00200	17.34	36.38	26.51		1519.5							
	OBS	00250	17.26	36.39	26.54		1520.1							
	OBS	00300	17.01	36.37	26.58		1520.2							
	OBS	00370	16.50	36.28	26.63		1519.7							
	OBS	00400	16.04	36.20	26.68		1518.7							
	OBS	00460	15.09	36.01	26.75		1516.5							
	OBS	00500	14.77	35.99	26.80		1516.1							
	OBS	00600	13.68	35.82	26.91		1514.0							
	OBS	00700	12.07	35.57	27.04		1509.9							
	OBS	00800	09.77	35.26	27.21		1503.0							
	OBS	00880	08.13	35.14	27.38		1498.1							
	OBS	00900	08.01	35.16	27.42		1498.0							
	OBS	00975	07.42	35.20	27.54		1497.0							
	OBS	01000	07.05	35.20	27.59		1496.0							
	OBS	01020	06.81	35.16	27.59		1495.3							
	OBS	01040	06.78	35.21	27.64		1495.6							
	OBS	01080	06.22	35.12	27.64		1493.9							
	OBS	01100	06.47	35.22	27.69		1495.4							
	OBS	01130	06.06	35.15	27.68		1494.2							
	OBS	01142	06.14	35.19	27.71		1494.8							
	OBS	01200	05.57	35.11	27.71		1493.3							
	OBS	01215	05.72	35.16	27.74		1494.3							
	OBS	01228	05.46	35.11	27.73		1493.4							
	OBS	01300	05.08	35.09	27.76		1493.0							
	OBS	01365	04.99	35.09	27.77		1493.7							
	OBS	01372	04.86	35.06	27.76		1493.3							
	OBS	01380	04.97	35.10	27.78		1493.9							
	OBS	01400	04.91	35.08	27.77		1494.0							
	OBS	01450	04.72	35.05	27.77		1494.0							
	OBS	01470	04.44	35.01	27.77		1493.1							
	OBS	01500	04.38	35.02	27.78		1493.4							

REFID 31 8322 YEAR 1972 BOTDP 04297 AIR TEMP 21.9 DIR MGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206
CONSEC 0048 MONTH 06 SHIP 1H WET BULB 20.7 20 4 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4
LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1025.6 SEA WIND-FUR DURATION 00.4 2 SQUARE 48
LONG 048 01 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 045 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	21.55	36.55	25.54		1528.1							
	OBS	00010	21.41	36.51	25.55		1527.8							
	OBS	00020	20.53	36.44	25.74		1525.6							
	OBS	00030	19.48	36.40	25.98		1522.8							
	OBS	00050	18.58	36.41	26.22		1520.7							
	OBS	00075	17.80	36.40	26.41		1518.8							
	OBS	00100	17.60	36.40	26.46		1518.6							
	OBS	00125	17.48	36.40	26.49		1518.7							
	OBS	00150	17.35	36.38	26.51		1518.7							
	OBS	00200	17.23	36.37	26.53		1519.2							
	OBS	00250	17.13	36.36	26.54		1519.7							
	OBS	00300	16.83	36.33	26.59		1519.6							
	OBS	00400	16.14	36.20	26.65		1519.0							
	OBS	00500	14.83	35.95	26.76		1516.2							
	OBS	00600	13.67	35.81	26.90		1513.9							
	OBS	00673	12.84	35.68	26.97		1512.2							
	OBS	00700	12.28	35.59	27.01		1510.7							
	OBS	00780	10.56	35.34	27.14		1505.7							
	OBS	00800	09.88	35.27	27.20		1503.4							
	OBS	00868	08.57	35.15	27.32		1499.6							
	OBS	00873	08.68	35.21	27.35		1500.1							
	OBS	00900	08.43	35.19	27.38		1499.6							
	OBS	00910	08.25	35.15	27.37		1499.1							
	OBS	00935	07.86	35.19	27.46		1498.0							
	OBS	00980	07.45	35.15	27.49		1497.2							
	OBS	00990	07.39	35.19	27.53		1497.1							
	OBS	01000	07.21	35.16	27.54		1496.6							
	OBS	01009	06.93	35.12	27.54		1495.6							
	OBS	01042	06.67	35.15	27.60		1495.1							
	OBS	01047	06.77	35.18	27.61		1495.7							
	OBS	01100	06.28	35.15	27.66		1494.6							
	OBS	01142	05.88	35.11	27.68		1493.6							
	OBS	01200	05.73	35.14	27.72		1494.0							
	OBS	01210	05.68	35.13	27.72		1494.0							
	OBS	01220	05.75	35.16	27.73		1494.5							
	OBS	01230	05.66	35.14	27.73		1494.2							
	OBS	01241	05.70	35.16	27.74		1494.6							
	OBS	01300	05.42	35.14	27.76		1494.4							
	OBS	01400	04.87	35.07	27.77		1493.8							
	OBS	01440	04.85	35.08	27.78		1494.4							
	OBS	01476	04.64	35.05	27.78		1494.1							
	OBS	01500	04.65	35.07	27.79		1494.6							

TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDP 03704 AIR TEMP 21.3 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206
CONSEC 0049 MONTH 06 SHIP IH WET BULB 19.8 20 3 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 34 56 N DAY 09 DATA USE 1 BAROMETR 1026.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 049 08 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG EFZ 046 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	21.67	36.43	25.42		1528.2							
	OBS	00010	21.65	36.43	25.42		1528.3							
	OBS	00020	20.99	36.44	25.61		1526.8							
	OBS	00030	20.35	36.39	25.75		1525.2							
	OBS	00050	18.00	36.36	26.33		1518.9							
	OBS	00075	17.59	36.39	26.45		1518.2							
	OBS	00100	17.54	36.39	26.47		1518.5							
	OBS	00125	17.53	36.40	26.48		1518.9							
	OBS	00150	17.50	36.40	26.48		1519.2							
	OBS	00200	17.39	36.39	26.50		1519.7							
	OBS	00250	17.25	36.38	26.53		1520.1							
	OBS	00300	17.00	36.35	26.57		1520.1							
	OBS	00400	16.11	36.20	26.66		1518.9							
	OBS	00500	14.86	35.99	26.78		1516.4							
	OBS	00530	14.64	35.97	26.82		1516.1							
	OBS	00600	13.04	35.70	26.94		1511.7							
	OBS	00700	10.46	35.33	27.15		1504.0							
	OBS	00800	08.43	35.13	27.33		1497.9							
	OBS	00865	07.49	35.10	27.45		1495.3							
	OBS	00870	07.54	35.14	27.47		1495.7							
	OBS	00900	07.43	35.15	27.50		1495.7							
	OBS	00930	07.29	35.15	27.52		1495.7							
	OBS	00948	06.98	35.18	27.58		1494.8							
	OBS	00988	06.81	35.19	27.62		1494.8							
	OBS	01000	06.58	35.16	27.62		1494.1							
	OBS	01018	06.25	35.13	27.64		1493.1							
	OBS	01038	06.24	35.14	27.65		1493.4							
	OBS	01050	05.85	35.08	27.66		1491.9							
	OBS	01070	05.83	35.09	27.67		1492.2							
	OBS	01083	05.61	35.07	27.68		1491.5							
	OBS	01100	05.62	35.09	27.69		1491.8							
	OBS	01126	05.31	35.05	27.70		1491.0							
	OBS	01158	05.29	35.07	27.72		1491.4							
	OBS	01171	04.96	35.01	27.71		1490.2							
	OBS	01200	04.76	34.99	27.72		1489.9							
	OBS	01300	04.56	35.00	27.75		1490.7							
	OBS	01400	04.43	35.00	27.76		1491.9							
	OBS	01500	04.32	35.00	27.77		1493.1							

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REFID 31 8322 YEAR 1972 BOTDP 02195 AIR TEMP 22.4 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1207
CONSEC 0050 MONTH 06 SHIP IH WET BULB 21.5 99 4 X WIND-SPD 12 TRACE DIR D 5 SQUARE 1
LAT 34 43 N DAY 10 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 40
LONG 050 07 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG EEN 01E 1 SQUARE 40

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	21.97	36.45	25.35		1529.0							
	OBS	00010	20.30	36.38	25.75		1524.7							
	OBS	00020	19.11	36.33	26.03		1521.6							
00.5	OBS	00030	18.30	36.36	26.26		1519.5							
00.5	OBS	00050	17.67	36.37	26.42		1518.0							
00.5	OBS	00075	17.38	36.36	26.48		1517.5							
00.5	OBS	00100	17.34	36.37	26.50		1517.8							
00.5	OBS	00110	17.29	36.37	26.51		1517.9							
00.5	OBS	00125	17.36	36.39	26.51		1518.3							
00.5	OBS	00150	17.25	36.37	26.52		1518.4							
00.5	OBS	00200	17.16	36.38	26.55		1519.0							
00.5	OBS	00222	17.17	36.39	26.56		1519.4							
00.5	OBS	00250	16.94	36.35	26.58		1519.1							
00.5	OBS	00300	16.47	36.27	26.63		1518.4							
00.5	OBS	00320	16.39	36.27	26.65		1518.5							
00.5	OBS	00360	15.96	36.16	26.67		1517.7							
00.5	OBS	00400	15.25	36.03	26.73		1516.0							
00.5	OBS	00500	13.67	35.80	26.89		1512.3							
00.5	OBS	00600	11.49	35.48	27.08		1506.2							
00.5	OBS	00700	09.43	35.25	27.26		1500.1							
00.5	OBS	00762	08.03	35.13	27.39		1495.7							
00.5	OBS	00800	07.65	35.12	27.44		1494.9							
00.5	OBS	00864	06.40	35.08	27.58		1491.0							
00.5	OBS	00900	06.20	35.09	27.62		1490.8							
00.5	OBS	00913	06.03	35.08	27.63		1490.4							
00.5	OBS	00945	06.01	35.09	27.64		1490.8							
00.5	OBS	00970	05.90	35.09	27.66		1490.8							
00.5	OBS	00980	05.93	35.10	27.66		1491.1							
00.5	OBS	01000	05.80	35.10	27.68		1490.9							
00.5	OBS	01040	05.52	35.07	27.69		1490.4							
00.5	OBS	01100	05.27	35.07	27.72		1490.4							
00.5	OBS	01200	05.00	35.06	27.74		1490.9							
00.5	OBS	01258	04.86	35.05	27.75		1491.3							
00.5	OBS	01276	04.64	35.01	27.75		1490.7							
00.5	OBS	01300	04.63	35.02	27.75		1491.0							
00.5	OBS	01400	04.46	35.01	27.77		1492.0							
00.5	OBS	01472	04.36	35.01	27.78		1492.8							
00.5	OBS	01500	04.36	35.02	27.78		1493.3							

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TABLE LII.–Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 10 June 1972 - 4 July 1972, prepared from NODC listing No. 31 - 2075.

REFID 31 2075	YEAR 1972	BOTDP 03532	AIR TEMP 22.4	DIR HGT PER	WIND-DIR 13	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 06	SHIP BX	WET BULB 19.7	99 X X	WIND-SPD 03	TRACE DIR	5 SQUARE 4
LAT 35 04 N	DAY 17	DATA USE 1	BAROMETR 1029.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 04 W	HOUR 00.6	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X0	ORIG E73 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.6	OBS	00000	22.87	36.505	25.13		1531.4							
00.6	OBS	00025	19.64	36.427	25.96		1523.2							
00.6	OBS	00050	18.16	36.424	26.34		1519.5							
00.6	OBS	00076	17.80	36.416	26.42		1518.9							
00.6	OBS	00101	17.61	36.394	26.45		1518.7							
00.6	OBS	00151	17.39	36.386	26.50		1518.9							
00.6	OBS	T00207	17.26	36.375	26.52		1519.4							
00.6	OBS	00308	16.73	36.293	26.59		1519.4							
00.6	OBS	T00408	15.56	36.091	26.70		1517.2							
00.6	OBS	00514	14.59	35.977	26.83		1515.7							
00.6	OBS	T00615	13.56	35.803	26.92		1513.8							
00.6	OBS	T00816	09.99	35.388	27.28		1504.3							
00.6	OBS	01023	06.85	35.151	27.58		1495.5							
00.6	OBS	T01538	04.55											

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REFID 31 2075	YEAR 1972	BOTDP 02478	AIR TEMP 22.6	DIR HGT PER	WIND-DIR 16	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 06	SHIP BX	WET BULB 20.5	08 1 3	WIND-SPD 06	TRACE DIR	5 SQUARE 4
LAT 35 10 N	DAY 17	DATA USE 1	BAROMETR 1031.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 12 W	HOUR 11.8	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E73 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	22.59	36.503	25.21		1530.7							
11.8	OBS	00025	19.48	36.426	26.00		1522.8							
11.8	OBS	00050	18.40	36.400	26.26		1520.1							
11.8	OBS	00075	17.63	36.399	26.45		1518.3							
11.8	OBS	00101	17.57	36.398	26.47		1518.6							
11.8	OBS	00151	17.46	36.399	26.49		1519.1							
11.8	OBS	00207	17.42	36.389	26.50		1519.9							
11.8	OBS	00307	17.11	36.350	26.54		1520.5							
11.8	OBS	T00407	16.20	36.193	26.64		1519.3							
11.8	OBS	00512	15.10	36.025	26.76		1517.4							
11.8	OBS	T00612	14.09	35.888	26.87		1515.6							
11.8	OBS	T00813	09.70	35.317	27.27		1503.1							
11.8	OBS	T01018	06.82	35.132	27.57		1495.3							

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REFID 31 2075	YEAR 1972	BOTDP 02257	AIR TEMP 22.4	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 06	SHIP BX	WET BULB 19.3	10 1 2	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 35 13 N	DAY 18	DATA USE 1	BAROMETR 1032.3	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 49 W	HOUR 12.2	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E73 003	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	22.75	36.483	25.15		1531.0							
12.2	OBS	00025	20.44	36.403	25.73		1525.4							
12.2	OBS	00050	18.05	36.419	26.36		1519.2							
12.2	OBS	00075	17.75	36.395	26.42		1518.7							
12.2	OBS	00100	17.63	36.401	26.45		1518.7							
12.2	OBS	00150	17.47	36.388	26.48		1519.1							
12.2	OBS	00205	17.34	36.366	26.50		1519.6							
12.2	OBS	00304	17.02	36.351	26.56		1520.2							
12.2	OBS	T00404	16.14	36.191	26.65		1519.0							
12.2	OBS	00509	14.82	35.991	26.79		1516.4							
12.2	OBS	T00609	13.66	35.807	26.90		1514.1							
12.2	OBS	T00808	10.08	35.476	27.33		1504.6							
12.2	OBS	T01013	06.57	35.125	27.60		1494.2							

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TABLE LII.—Continued

REFID 31 2075 YEAR 1972 BOTDP 03054 AIR TEMP 23.9 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 06 SHIP BX WET BULB 19.8 10 2 3 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 16.2N DAY 19 DATA USE 1 BAROMETR 1032.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57.3W HOUR 13.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E73 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	23.30	36.589	25.07		1532.5							
13.2	OBS	00025	21.87	36.516	25.42		1529.3							
13.2	OBS	00050	18.91	36.433	26.16		1521.6							
13.2	OBS	00075	18.30											
13.2	OBS	00100	17.84	36.411	26.41		1519.4							
13.2	OBS	00149	17.51	36.394	26.48		1519.2							
13.2	OBS	00204	17.36	36.390	26.51		1519.0							
13.2	OBS	00303	16.89	36.322	26.57		1519.8							
13.2	OBS	T00403	16.17	36.209	26.65		1519.1							
13.2	OBS	00506	15.06	36.028	26.77		1517.1							
13.2	OBS	T00610	13.66	35.819	26.91		1514.1							
13.2	OBS	T00805	09.84	35.404	27.31		1503.6							
13.2	OBS	T01004	07.09	35.181	27.57		1496.2							
13.2	OBS	T01495	04.69											

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REFID 31 2075 YEAR 1972 BOTDP 04801 AIR TEMP 22.8 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 06 SHIP BX WET BULB 20.4 13 3 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 23 DATA USE 1 BAROMETR 1027.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 18.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E73 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	22.68	36.524	25.20		1530.9							
18.5	OBS	00025	22.05	36.494	25.36		1529.7							
18.5	OBS	00047	18.64	36.403	26.20		1520.8							
18.5	OBS	00072	17.73	36.397	26.43		1518.6							
18.5	OBS	00094	17.55	36.392	26.47		1518.4							
18.5	OBS	00141	17.41	36.387	26.50		1518.7							
18.5	OBS	00188	17.23	36.367	26.52		1519.0							
18.5	OBS	00284	16.71	36.298	26.60		1518.9							
18.5	OBS	T00383	15.81	36.148	26.69		1517.6							
18.5	OBS	00485	14.85	36.053	26.83		1516.2							
18.5	OBS	T00586	13.80	35.883	26.93		1514.2							
18.5	OBS	T00790	09.75											
18.5	OBS	00998	06.99											
18.5	OBS	T01554	04.25											

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REFID 31 2075 YEAR 1972 BOTDP 04749 AIR TEMP 22.7 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 06 SHIP BX WET BULB 20.4 16 4 4 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 24 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 17.7 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E73 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.7	OBS	00000	22.63	36.564	25.25		1530.8							
17.7	OBS	00025	22.40	36.552	25.30		1530.7							
17.7	OBS	00047	19.57	36.467	26.01		1523.4							
17.7	OBS	00070	18.39	36.461	26.31		1520.5							
17.7	OBS	00092	18.10	36.450	26.37		1520.0							
17.7	OBS	00138	17.51	36.397	26.48		1519.0							
17.7	OBS	00184	17.35	36.376	26.50		1519.3							
17.7	OBS	00275	17.09	36.373	26.56		1520.0							
17.7	OBS	T00366	16.54	36.291	26.63		1519.7							
17.7	OBS	00460	15.44	36.102	26.74		1517.7							
17.7	OBS	T00551	14.37	35.938	26.85		1515.6							
17.7	OBS	T00735	11.53											
17.7	OBS	T00918	07.74	35.161	27.46		1497.3							

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REFID 31 2075 YEAR 1972 BOTDP 04224 AIR TEMP 22.4 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 06 SHIP BX WET BULB 20.0 11 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 25 DATA USE 1 BAROMETR 1024.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 18 W HOUR 12.6 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E73 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	22.59	36.535	25.23		1530.7							
12.6	OBS	00030	21.31	36.507	25.57		1527.9							
12.6	OBS	00055	19.23	36.514	26.14		1522.7							
12.6	OBS	00084	18.38	36.463	26.31		1520.7							
12.6	OBS	00109	17.87	36.406	26.40		1519.6							
12.6	OBS	00164	17.64	36.431	26.47		1519.9							
12.6	OBS	00219	17.43	36.410	26.51		1520.1							
12.6	OBS	00330	17.06	36.375	26.57		1520.8							
12.6	OBS	T00443	15.66	36.130	26.71		1518.1							
12.6	OBS	00561	14.51	35.984	26.84		1516.2							
12.6	OBS	T00677	12.54	35.662	27.02		1511.3							
12.6	OBS	T00912	08.08	35.349	27.56		1498.7							
12.6	OBS	T01150	05.63	35.077	27.68		1492.7							

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TABLE LII.—Continued

REFID 31 2075 YEAR 1972 BOTDP 04206 AIR TEMP 23.2 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 06 SHIP BX WET BULB 20.1 13 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.7 AREA 05 CLOUD T/A 8/2 CL/TR /30 WEATHER X1 ORIG E73 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	22.78	36.593	25.22		1531.2							
13.7	OBS	00029	21.86	36.582	25.48		1529.4							
13.7	OBS	00054	19.41	36.507	26.08		1523.2							
13.7	OBS	00083	18.39	36.464	26.31		1520.7							
13.7	OBS	00107	18.06	36.440	26.38		1520.1							
13.7	OBS	00161	17.54	36.389	26.47		1519.5							
13.7	OBS	00216	17.35	36.389	26.51		1519.8							
13.7	OBS	00327	16.96	36.365	26.59		1520.4							
13.7	OBS	T00441	16.03	36.192	26.67		1519.3							
13.7	OBS	00563	13.93	35.850	26.88		1514.2							
13.7	OBS	T00683	12.00	35.587	27.06		1509.4							
13.7	OBS	T00926	07.73	35.261	27.54		1497.5							
13.7	OBS	T01169	05.64	35.126	27.72		1493.1							
13.7	OBS	T01776	04.03											

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REFID 31 2075 YEAR 1972 BOTDP 04174 AIR TEMP 22.9 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 06 SHIP BX WET BULB 20.9 13 4 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 14 N DAY 27 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 13 W HOUR 21.2 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E73 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.2	OBS	00000	22.79	36.536	25.18		1531.2							
21.2	OBS	00030	21.40	36.555	25.59		1528.2							
21.2	OBS	00055	19.30	36.511	26.12		1522.9							
21.2	OBS	00085	18.53	36.463	26.28		1521.2							
21.2	OBS	00110	18.00	36.431	26.38		1520.0							
21.2	OBS	00164	17.58	36.401	26.47		1519.6							
21.2	OBS	T00219	17.36	36.381	26.50		1519.9							
21.2	OBS	00328	16.83	36.328	26.59		1520.0							
21.2	OBS	T00438	15.85	36.151	26.68		1518.6							
21.2	OBS	00553	14.04	35.842	26.85		1514.4							
21.2	OBS	T00665	11.94	35.522	27.02		1508.8							
21.2	OBS	T00891	07.91	35.405	27.63		1497.8							
21.2	OBS	T01122	05.81	35.098	27.68		1493.0							

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REFID 31 2075 YEAR 1972 BOTDP 02560 AIR TEMP 22.0 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 06 SHIP BX WET BULB 20.4 14 4 3 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 28 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 17.9 AREA 05 CLOUD T/A 8/2 CL/TR /30 WEATHER X8 ORIG E73 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	OBS	00000	23.01	36.566	25.14		1531.8							
17.9	OBS	00026	21.90	36.577	25.46		1529.4							
17.9	OBS	00048	19.32	36.357	25.95		1522.6							
17.9	OBS	00074	18.09	36.350	26.30		1519.6							
17.9	OBS	00096	17.74	36.326	26.37		1518.9							
17.9	OBS	00144	17.52	36.311	26.41		1519.0							
17.9	OBS	T00192	17.44	36.355	26.46		1519.6							
17.9	OBS	00290	17.09											
17.9	OBS	T00390	16.26	36.157	26.59		1519.1							
17.9	OBS	00491	14.83	35.947	26.76		1516.1							
17.9	OBS	T00593	13.18	35.687	26.91		1512.1							
17.9	OBS	T00807	09.17	35.333	27.37		1501.0							
17.9	OBS	T01020	06.56	35.082	27.56		1494.2							

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REFID 31 2075 YEAR 1972 BOTDP 04871 AIR TEMP 22.3 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 06 SHIP BX WET BULB 20.1 13 3 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 46.5N DAY 29 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 52.5W HOUR 12.0 AREA 05 CLOUD T/A 9/8 CL/TR WEATHER X2 ORIG E73 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	22.82	36.512	25.15		1531.3							
12.0	OBS	00026	22.67	36.507	25.19		1531.3							
12.0	OBS	00049	19.02	36.323	26.04		1521.8							
12.0	OBS	00076	17.99	36.394	26.36		1519.4							
12.0	OBS	00098	17.71	36.344	26.39		1518.9							
12.0	OBS	00147	17.50	36.328	26.43		1519.0							
12.0	OBS	T00196	17.37	36.323	26.46		1519.5							
12.0	OBS	00294	16.83	36.279	26.55		1519.4							
12.0	OBS	00392	15.94	36.160	26.67		1518.2							
12.0	OBS	00491	14.39	35.890	26.81		1514.6							
12.0	OBS	T00592	13.13	35.732	26.95		1511.9							
12.0	OBS	T00798	08.77	35.319	27.42		1499.4							
12.0	OBS	T01005	06.33	35.153	27.65		1493.2							
14.6	OBS	T02086	03.72	34.996	27.83		1500.5							
14.6	OBS	T02633	03.24	34.961	27.85		1507.8							
14.6	OBS	03179	02.78	34.912	27.86		1515.2							
14.6	OBS	T03727	02.36	34.915	27.90		1523.0							
14.6	OBS	T04282	02.26											
14.6	OBS	T04635	02.28	34.881	27.88		1538.7							

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TABLE LIII.—Observed and interpolated oceanographic data for stations taken by USCGC CHAUTAUQUA at Ocean Station ECHO, 4 July 1972 - 30 July 1972, prepared from NODC listing No. 31 - 2113.

REFID 31 2113	YEAR 1972	BOTDP 04360	AIR TEMP 26.0	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 07	SHIP CQ	WET BULB 22.0	14 2 2	WIND-SPD 03	TRACE DIR	5 SQUARE 4
LAT 35 01 N	DAY 10	DATA USE 1	BAROMETR 1034.7	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 45 W	HOUR 12.8	AREA 05	CLOUD T/A 8/3	CL/TR /08	WEATHER X1	ORIG E74 001	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	24.70	36.217	24.37		1535.5							
12.8	OBS	00025	22.28											
12.8	OBS	00050	19.46											
12.8	OBS	00075	18.44											
12.8	OBS	00100	18.06											
12.8	OBS	00150	17.81	36.429	26.43		1520.1							
12.8	OBS	T00205	17.62	36.408	26.46		1520.4							
12.8	OBS	00305	17.30	36.410	26.54		1521.1							
12.8	OBS	T00405	16.48	36.246	26.61		1520.1							
12.8	OBS	00510	14.88	35.962	26.76		1516.6							
12.8	OBS	00610	13.63	35.765	26.87		1513.9							
12.8	OBS	T00810	08.51	35.135	27.32		1498.4							
12.8	OBS	T01016	06.68											
12.8	OBS	T01526	04.25	35.029	27.80		1493.3							

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REFID 31 2113	YEAR 1972	BOTDP 05676	AIR TEMP 25.1	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP CQ	WET BULB 21.5	21 1 2	WIND-SPD 03	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 11	DATA USE 1	BAROMETR 1036.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 58.5W	HOUR 12.4	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E74 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.87	36.384	24.45		1536.1							
12.4	OBS	00024	21.68	36.403	25.39		1528.6							
12.4	OBS	00047	19.18	36.431	26.09		1522.3							
12.4	OBS	00071	18.43	36.429	26.28		1520.6							
12.4	OBS	00095	18.03	36.421	26.37		1519.8							
12.4	OBS	00142	17.73	36.409	26.43		1519.7							
12.4	OBS	T00194	17.58	36.407	26.47		1520.1							
12.4	OBS	00289	17.14	36.371	26.55		1520.4							
12.4	OBS	T00384	16.52	36.255	26.61		1519.9							
12.4	OBS	00483	14.99	35.954	26.73		1516.5							
12.4	OBS	00579	13.82	35.789	26.85		1514.1							
12.4	OBS	T00771	09.27	35.208	27.26		1500.6							
12.4	OBS	T00969	07.33											
12.4	OBS	T01464	04.33											

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REFID 31 2113	YEAR 1972	BOTDP 04748	AIR TEMP 25.5	DIR HGT PER	WIND-DIR 06	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP CQ	WET BULB 21.6	15 2 2	WIND-SPD 02	TRACE DIR	5 SQUARE 2
LAT 34 56 N	DAY 12	DATA USE 1	BAROMETR 1031.8	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 56 W	HOUR 12.2	AREA 05	CLOUD T/A 8/4	CL/TR /17	WEATHER X1	ORIG E74 003	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	25.36	36.281	24.22		1537.1							
12.2	OBS	00024	20.96	36.344	25.55		1526.7							
12.2	OBS	00048	18.91	36.434	26.16		1521.6							
12.2	OBS	00072	18.21	36.407	26.31		1520.0							
12.2	OBS	00145	17.65	36.413	26.46		1519.5							
12.2	OBS	T00198	17.43	36.373	26.48		1519.7							
12.2	OBS	00295	16.85	36.313	26.57		1519.5							
12.2	OBS	T00391	15.84	36.128	26.67		1517.8							
12.2	OBS	00493	14.61	35.933	26.79		1515.4							
12.2	OBS	00589		35.750										
12.2	OBS	T00782	09.26	35.189	27.24		1500.8							
12.2	OBS	T00980	06.21	35.079	27.61		1492.2							

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TABLE LIII.—Continued

REFID 31 2113	YEAR 1972	BOTDP 04637	AIR TEMP 24.6	DIR HGT PER	WIND-DIR 13	INST NANSEN CAST	TEN SQ 1206
CONSEC 0004	MONTH 07	SHIP CQ	WET BULB 21.3	15 2 2	WIND-SPD 05	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 13	DATA USE 1	BAROMETR 1029.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 15.8	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E74 004	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.8	OBS	00000	25.63	36.243	24.11		1537.7							
15.8	OBS	00026	21.63	36.322	25.34		1528.4							
15.8	OBS	00049	19.34	36.381	26.01		1522.7							
15.8	OBS	00075	18.03	36.424	26.37		1519.5							
15.8	OBS	00097	17.87	36.426	26.41		1519.4							
15.8	OBS	00146	17.59	36.398	26.46		1519.4							
15.8	OBS	T00196	17.48	36.387	26.48		1519.9							
15.8	OBS	00294	17.02	36.347	26.56		1520.1							
15.8	OBS	T00394	15.92	36.141	26.66		1518.1							
15.8	OBS	00493	14.12											
15.8	OBS	00594	13.55	35.815	26.93		1513.5							
15.8	OBS	T00803	09.12	35.248	27.31		1500.7							
16.5	OBS	T00894	07.08	35.089	27.50		1494.2							
16.5	OBS	T01388	04.35	35.104	27.85		1491.5							

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REFID 31 2113	YEAR 1972	BOTDP 04711	AIR TEMP 25.3	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1206
CONSEC 0005	MONTH 07	SHIP CQ	WET BULB 23.0	30 2 2	WIND-SPD 08	TRACE DIR	5 SQUARE 2
LAT 34 48 N	DAY 14	DATA USE 1	BAROMETR 1029.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 59 W	HOUR 12.3	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E74 005	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.10	36.259	24.28		1530.5							
12.3	OBS	00026	20.99	36.337	25.53		1520.8							
12.3	OBS	00048	18.96	36.383	26.11		1521.7							
12.3	OBS	00075	18.17	36.406	26.32		1519.9							
12.3	OBS	00097	17.87	36.411	26.40		1519.4							
12.3	OBS	00145	17.48	36.384	26.48		1519.0							
12.3	OBS	T00193	17.19	36.358	26.53		1518.9							
12.3	OBS	00289	16.68	36.280	26.59		1518.9							
12.3	OBS	T00385	15.85	36.133	26.67		1517.7							
12.3	OBS	00481	14.26	35.876	26.83		1514.0							
12.3	OBS	T00577	12.78	35.654	26.96		1510.4							
12.3	OBS	T00774	10.36	35.407	27.23		1504.9							
12.3	OBS	T00968	06.27	35.100	27.62		1492.3							
12.3	OBS	T01460	04.31											

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REFID 31 2113	YEAR 1972	BOTDP 04606	AIR TEMP 25.7	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1206
CONSEC 0006	MONTH 07	SHIP CQ	WET BULB 23.0	33 2 2	WIND-SPD 09	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 15	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 09 W	HOUR 12.2	AREA 05	CLOUD T/A 8/6	CL/TR /36	WEATHER X1	ORIG E74 006	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	25.21	36.401	24.36		1536.9							
12.2	OBS	00025	20.93	36.283	25.51		1526.5							
12.2	OBS	00045	19.32	36.391	26.02		1522.6							
12.2	OBS	00069	18.52	36.431	26.25		1520.8							
12.2	OBS	00090	18.02	36.418	26.37		1519.7							
12.2	OBS	00133	17.82	36.441	26.44		1519.9							
12.2	OBS	T00178	17.56	36.396	26.47		1519.8							
12.2	OBS	00268	17.15	36.356	26.54		1520.0							
12.2	OBS	T00357	16.46	36.245	26.61		1519.3							
12.2	OBS	00447	15.60	36.121	26.72		1518.0							
12.2	OBS	00536	14.16	35.820	26.80		1514.5							
12.2	OBS	00717	11.44											
12.2	OBS	T00894	07.60											

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REFID 31 2113	YEAR 1972	BOTDP 04585	AIR TEMP 24.9	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1206
CONSEC 0007	MONTH 07	SHIP CQ	WET BULB 22.7	33 3 2	WIND-SPD 06	TRACE DIR	5 SQUARE 2
LAT 34 56.5N	DAY 17	DATA USE 1	BAROMETR 1020.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 12.3	AREA 05	CLOUD T/A 8/8	CL/TR /14	WEATHER X2	ORIG E74 007	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.63	36.454	24.57		1535.6							
12.3	OBS	00024	21.81	36.395	25.35		1529.0							
12.3	OBS	00043	19.00	36.444	26.14		1521.8							
12.3	OBS	00066	18.25	36.428	26.32		1520.0							
12.3	OBS	00086	18.05	36.438	26.38		1519.8							
12.3	OBS	00129	17.82	36.424	26.42		1519.8							
12.3	OBS	T00173	17.68	36.406	26.44		1520.1							
12.3	OBS	00258	17.34	36.397	26.52		1520.5							
12.3	OBS	T00344	17.00	36.359	26.57		1520.8							

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TABLE LIII.—Continued

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REFID  31  2113     YEAR 1972    BOTDP 04775    AIR TEMP   24.5    DIR HGT PER          WIND-DIR 36    INST NANSEN CAST      TEN SQ 1206
CONSEC     0008     MONTH  07    SHIP CQ        WET BULB   20.4     35  6   2           WIND-SPD 15    TRACE DIR             5 SQUARE  4
LAT    35 00  N     DAY    18    DATA USE  1    BAROMETR 1017.0    SEA                  WIND-FOR       DURATION              2 SQUARE 46
LONG  047 56  W     HOUR 12.3    AREA      05   CLOUD T/A   2/6    CL/TR                WEATHER  X1    ORIG E74 008          1 SQUARE 57

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PO4  TOT P   NO2   NO3   SIO3   PH

        12.3   OBS      00000     24.24    36.372     24.63               1534.6
        12.3   OBS      00030     20.48    36.366     25.69               1525.5
        12.3   OBS      00055     18.66    36.421     26.21               1521.0
        12.3   OBS      00084     18.14    36.420     26.34               1520.0
        12.3   OBS      00108     17.90    36.413     26.40               1519.7
        12.3   OBS      00158     17.64    36.409     26.46               1519.7
        12.3   OBS      00205     17.56    36.414     26.48               1520.3
        12.3   OBS      00295     17.10    36.455     26.55               1520.3
        12.3   OBS      T00375    16.56    36.460     26.60               1519.9
        12.3   OBS      00455     15.68    36.111     26.69               1518.3
        12.3   OBS      T00535    14.25
        12.3   OBS      T00689    11.58    35.537     27.10               1509.0

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REFID  31  2113     YEAR 1972    BOTDP 04606    AIR TEMP   24.2    DIR HGT PER          WIND-DIR 31    INST NANSEN CAST      TEN SQ 1206
CONSEC     0009     MONTH  07    SHIP CQ        WET BULB   21.5     03  2   3           WIND-SPD 07    TRACE DIR             5 SQUARE  2
LAT    34 55  N     DAY    19    DATA USE  1    BAROMETR 1014.3    SEA                  WIND-FOR       DURATION              2 SQUARE 48
LONG  048 03  W     HOUR 13.1    AREA      05   CLOUD T/A   8/8    CL/TR                WEATHER  X2    ORIG E74 009          1 SQUARE 48

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PO4  TOT P   NO2   NO3   SIO3   PH

        13.1   OBS      00000     24.42    36.422     24.61               1535.0
        13.1   OBS      00027     21.94    36.397     25.31               1529.3
        13.1   OBS      00049     19.38    36.373     25.99               1522.8
        13.1   OBS      00077     18.30    36.388     26.28               1520.3
        13.1   OBS      00099     18.13    36.439     26.36               1520.2
        13.1   OBS      00149     17.70    36.416     26.45               1519.8
        13.1   OBS      T00198    17.58    36.413     26.47               1520.2
        13.1   OBS      00298     17.16    36.363     26.54               1520.6
        13.1   OBS      T00397    16.54    36.266     26.61               1520.2
        13.1   OBS      00496     15.18    36.017     26.73               1517.3
        13.1   OBS      T00594    13.99    35.821     26.84               1514.9
        13.1   OBS      T00796    10.24    35.376     27.22               1504.8

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REFID  31  2113     YEAR 1972    BOTDP 04500    AIR TEMP   25.9    DIR HGT PER          WIND-DIR 27    INST NANSEN CAST      TEN SQ 1206
CONSEC     0010     MONTH  07    SHIP CQ        WET BULB   22.5     26  4   2           WIND-SPD 12    TRACE DIR             5 SQUARE  2
LAT    34 54  N     DAY    20    DATA USE  1    BAROMETR 1010.6    SEA                  WIND-FOR       DURATION              2 SQUARE 46
LONG  047 52  W     HOUR 12.3    AREA      05   CLOUD T/A   0/2    CL/TR                WEATHER  X1    ORIG E74 010          1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PO4  TOT P   NO2   NO3   SIO3   PH

        12.3   OBS      00000     24.32    36.374     24.61               1534.8
        12.3   OBS      00032     20.52    36.369     25.68               1525.7
        12.3   OBS      00060     18.69    36.391     26.18               1521.1
        12.3   OBS      00092     18.12    36.411     26.34               1520.0
        12.3   OBS      00119     17.92    36.410     26.39               1519.9
        12.3   OBS      00179     17.68    36.382     26.43               1520.2
        12.3   OBS      T00238    17.49    36.379     26.47               1520.6
        12.3   OBS      00358     16.88
        12.3   OBS      00479     15.53    36.075     26.70               1518.2
        12.3   OBS      00607     13.89    35.809     26.85               1514.8
        12.3   OBS      T00731    11.25    35.412     27.07               1507.4
        12.3   OBS      00980     06.09    35.057     27.61               1491.7
        12.3   OBS      T01231    04.63    35.090     27.81               1490.0
        12.3   OBS      T01874    03.95

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REFID  31  2113     YEAR 1972    BOTDP 04537    AIR TEMP   24.0    DIR HGT PER          WIND-DIR 24    INST NANSEN CAST      TEN SQ 1206
CONSEC     0011     MONTH  07    SHIP CQ        WET BULB   21.1     24  7   3           WIND-SPD 20    TRACE DIR             5 SQUARE  2
LAT    34 57  N     DAY    21    DATA USE  1    BAROMETR 1010.0    SEA                  WIND-FOR       DURATION              2 SQUARE 46
LONG  047 56  W     HOUR 12.6    AREA      05   CLOUD T/A   3/8    CL/TR     /07        WEATHER  X2    ORIG E74 011          1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PO4  TOT P   NO2   NO3   SIO3   PH

        12.6   OBS      00000     24.22    36.370     24.63               1534.5
        12.6   OBS      00028     20.89    36.368     25.58               1526.6
        12.6   OBS      00053     20.30    36.348     25.73               1525.4
        12.6   OBS      00082     18.05    36.390     26.34               1519.6
        12.6   OBS      00106     17.91    36.431     26.41               1519.7
        12.6   OBS      00159     17.70    36.417     26.45               1519.9
        12.6   OBS      T00212    17.55    36.403     26.47               1520.3
        12.6   OBS      00319     16.99    36.343     26.56               1520.4
        12.6   OBS      00539     14.74    35.964     26.79               1516.6
        12.6   OBS      T00648    13.24    35.757     26.95               1513.3
        12.6   OBS      T00868    07.64    35.134     27.45               1496.0
        12.6   OBS      01096     05.44
        12.6   OBS      T01694    04.00

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TABLE LIII.—Continued

REFID 31 2113 YEAR 1972 BOTDP 04532 AIR TEMP 24.1 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 07 SHIP CQ WET BULB 19.9 23 6 3 WIND-SPD 21 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 22 DATA USE 1 BAROMETR 1012.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 53 W HOUR 12.8 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X3 ORIG E74 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	24.04	36.311	24.64		1536.0							
12.8	OBS	00021	23.59	36.333	24.79		1533.3							
12.8	OBS	00040	20.03	36.335	25.79		1524.4							
12.8	OBS	00061	18.70	36.391	26.18		1521.2							
12.8	OBS	00079	18.18	36.415	26.33		1520.0							
12.8	OBS	00120	17.93											
12.8	OBS	T00163	17.71	36.395	26.43		1520.0							
12.8	OBS	00247	17.28	36.368	26.51		1520.1							
12.8	OBS	00335	16.74	36.288	26.58		1519.8							
12.8	OBS	00427	15.87	36.144	26.67		1518.5							
12.8	OBS	00515	14.75	35.970	26.79		1516.2							
12.8	OBS	T00699	11.57	35.540	27.11		1508.1							
12.8	OBS	00892	07.52	35.308	27.61		1496.2							
12.8	OBS	T01400	04.22											

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REFID 31 2113 YEAR 1972 BOTDP 04631 AIR TEMP 23.9 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 07 SHIP CQ WET BULB 21.3 25 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 23 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.3 AREA 05 CLOUD T/A 3/3 CL/TR WEATHER X1 ORIG E74 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	23.90	36.309	24.68		1533.7							
12.3	OBS	00025	21.46	36.378	25.43		1524.0							
12.3	OBS	00046	19.41	36.357	25.97		1522.9							
12.3	OBS	00071	18.38	36.416	26.28		1520.4							
12.3	OBS	00092	18.12	36.423	26.35		1520.1							
12.3	OBS	00138	17.87	36.407	26.40		1520.1							
12.3	OBS	T00184	17.62	36.389	26.45		1520.1							
12.3	OBS	00279	17.27	36.369	26.52		1520.0							
12.3	OBS	T00374	16.46	36.228	26.60		1519.5							
12.3	OBS	00470	15.21	36.008	26.72		1517.0							
12.3	OBS	T00568	13.96	35.821	26.85		1514.4							

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REFID 31 2113 YEAR 1972 BOTDP 03708 AIR TEMP 24.9 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 07 SHIP CQ WET BULB 23.6 25 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 24 DATA USE 1 BAROMETR 1011.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.5 AREA 05 CLOUD T/A 7/3 CL/TR /11 WEATHER X1 ORIG E74 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	23.81	36.185	24.61		1533.3							
12.5	OBS	00028	22.20	36.315	25.18		1529.9							
12.5	OBS	00052	19.81	36.396	25.89		1524.1							
12.5	OBS	00080	18.61	36.422	26.22		1521.3							
12.5	OBS	00104	18.12	36.405	26.34		1520.2							
12.5	OBS	00156	17.79	36.415	26.42		1520.1							
12.5	OBS	T00209	17.62	36.397	26.45		1520.5							
12.5	OBS	00316	16.97	36.325	26.56		1520.2							
12.5	OBS	T00427	15.80	36.103	26.66		1518.2							
12.5	OBS	00546	14.74	35.942	26.77		1516.7							
12.5	OBS	T00664	12.52	35.628	26.99		1510.9							
12.5	OBS	T00905	07.26	35.114	27.49		1495.1							
12.5	OBS	T01151	05.28											
12.5	OBS	T01783	04.15											

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REFID 31 2113 YEAR 1972 BOTDP 04718 AIR TEMP 25.0 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 07 SHIP CQ WET BULB 23.8 25 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 25 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 13.8 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER X4 ORIG E74 015 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	23.76	36.304	24.72		1533.3							
13.8	OBS	00027	20.57	36.345	25.65		1525.7							
13.8	OBS	00050	18.78	36.410	26.17		1521.2							
13.8	OBS	00078		36.407										
13.8	OBS	00101	17.88	36.389	26.38		1519.5							
13.8	OBS	00152	17.54	36.370	26.45		1519.3							
13.8	OBS	T00204	17.31	36.358	26.50		1519.5							
13.8	OBS	00307	16.72	36.293	26.59		1519.3							
13.8	OBS	T00410	15.58	36.101	26.71		1517.3							
13.8	OBS	00519	14.14	35.900	26.87		1514.3							
13.8	OBS	T00628	12.54	35.611	26.98		1510.4							
13.8	OBS	T00855	08.39	35.333	27.50		1498.9							
13.8	OBS	T01092	05.37											

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TABLE LIII.—Continued

REFID 31 2113 YEAR 1972 BOTDP 04519 AIR TEMP 26.1 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 07 SHIP CQ WET BULB 24.2 25 1 5 WIND-SPD 01 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 26 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.4 AREA 05 CLOUD T/A X/9 CL/TR WEATHER X4 ORIG E74 016 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.14	36.298	24.60		1534.2							
12.4	OBS	00029	23.08	36.372	24.97		1532.2							
12.4	OBS	00053	18.54	36.424	26.24		1520.6							
12.4	OBS	00083	17.95	36.426	26.39		1519.4							
12.4	OBS	00107	17.75	36.422	26.44		1519.2							
12.4	OBS	00161	17.52	36.395	26.48		1519.4							
12.4	OBS	T00214	17.42	36.392	26.50		1520.0							
12.4	OBS	00321	16.92	36.343	26.58		1520.2							
12.4	OBS	T00429	15.73	36.109	26.68		1518.1							
12.4	OBS	00536	14.44	35.926	26.83		1515.5							
12.4	OBS	00643	11.85	35.516	27.04		1508.2							
12.4	OBS	T00862	07.22	35.068	27.46		1494.2							
12.4	OBS	T01077	05.32	35.075	27.72		1490.2							
15.0	OBS	T01878	03.95	34.984	27.80		1497.9							
15.0	OBS	T02365	03.57	34.988	27.84		1504.6							
15.0	OBS	T02845	03.07	34.972	27.88		1510.7							
15.0	OBS	T03336	02.59	34.961	27.91		1517.2							

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REFID 31 2113 YEAR 1972 BOTDP 04334 AIR TEMP 25.3 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 07 SHIP CQ WET BULB 23.9 22 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 27 DATA USE 1 BAROMETR 1024.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 30 W HOUR 12.4 AREA 05 CLOUD T/A 0/1 CL/TR /12 WEATHER X1 ORIG E74 017 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.47	36.274	24.48		1535.0							
12.4	OBS	00027	22.92	36.516	25.13		1531.9							
12.4	OBS	00049	19.04	36.478	26.00		1523.7							
12.4	OBS	00076	18.56	36.454	26.26		1521.1							
12.4	OBS	00099	17.94	36.400	26.38		1519.6							
12.4	OBS	00148		36.331										
12.4	OBS	T00197	16.97	36.320	26.55		1518.3							
12.4	OBS	00297	16.47	36.249	26.62		1518.3							
12.4	OBS	T00398	15.48	36.088	26.72		1516.8							
12.4	OBS	00500	14.23	35.883	26.84		1514.2							
12.4	OBS	T00603	12.62	35.645	26.99		1510.3							
12.4	OBS	T00816	08.57	35.230	27.39		1498.6							
12.4	OBS	T01027	05.84	35.092	27.67		1491.5							
12.4	OBS	T01565	04.13											

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REFID 31 2113 YEAR 1972 BOTDP 04286 AIR TEMP 25.5 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 07 SHIP CQ WET BULB 23.5 15 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 28 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.2 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X1 ORIG E74 018 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	24.77	36.304	24.42		1535.7							
12.2	OBS	00026	23.72	36.362	24.77		1533.7							
12.2	OBS	00048	19.80	36.364	25.81		1524.0							
12.2	OBS	00074	18.37	36.437	26.30		1520.5							
12.2	OBS	00096	18.01	36.431	26.38		1519.8							
12.2	OBS	00145	17.63	36.410	26.46		1519.5							
12.2	OBS	T00194	17.44	36.392	26.49		1519.7							
12.2	OBS	00294	16.95	36.337	26.57		1519.8							
12.2	OBS	T00397	15.90	36.143	26.67		1518.1							
12.2	OBS	00500	14.67	35.956	26.80		1515.7							
12.2	OBS	T00606	13.05	35.691	26.94		1511.8							
12.2	OBS	00824	07.78	35.113	27.42		1495.8							
12.2	OBS	T01040	05.68	35.102	27.69		1491.1							

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TABLE LIII.—Continued

REFID 31 2113	YEAR 1972	BOTDP 05018	AIR TEMP 25.9	DIR HGT PER	WIND-DIR 21	INST NANSEN CAST	TEN SQ 1207
CONSEC 0019	MONTH 07	SHIP CQ	WET BULB 24.1	22 2 2	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 33 18 N	DAY 29	DATA USE 1	BAROMETR 1022.6	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 06 W	HOUR 13.8	AREA 05	CLOUD T/A 3/6	CL/TR	WEATHER X1	ORIG E74 019	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	24.94	36.334	24.35		1536.2							
13.8	OBS	00026	24.12	36.349	24.65		1534.7							
13.8	OBS	00047	19.98	36.366	25.83		1524.4							
13.8	OBS	00073	18.28	36.404	26.29		1520.2							
13.8	OBS	00094	17.95	36.403	26.38		1519.6							
13.8	OBS	00140	17.54	36.382	26.46		1519.1							
13.8	OBS	T00186	17.32	36.354	26.49		1519.2							
13.8	OBS	00276	16.97	36.335	26.56		1519.6							
13.8	OBS	T00366	15.97	36.147	26.65		1517.8							
13.8	OBS	00456	14.86	35.990	26.78		1515.6							
13.8	OBS	T00547	13.49	35.787	26.92		1512.5							
13.8	OBS	00729	09.88	35.338	27.26		1502.4							
13.8	OBS	00904	06.57	35.222	27.67		1492.5							
13.8	OBS	T01334	04.37											

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REFID 31 2113	YEAR 1972	BOTDP 05040	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 13	INST NANSEN CAST	TEN SQ 1206
CONSEC 0020	MONTH 07	SHIP CQ	WET BULB 23.4	18 2 2	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 36 36 N	DAY 30	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION	2 SQUARE 68
LONG 049 55 W	HOUR 12.3	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X3	ORIG E74 020	1 SQUARE 69

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	24.74	36.383	24.49		1535.8							
12.3	OBS	00027	20.44	36.347	25.69		1525.3							
12.3	OBS	00051	18.62	36.411	26.21		1520.8							
12.3	OBS	00078	18.09	36.402	26.34		1519.7							
12.3	OBS	00102	17.97	36.401	26.37		1519.8							
12.3	OBS	00153	17.70	36.394	26.43		1519.8							
12.3	OBS	T00204	17.56	36.386	26.46		1520.2							
12.3	OBS	00306	17.24	36.351	26.51		1520.9							
12.3	OBS	T00410	16.78	36.283	26.57		1521.2							
12.3	OBS	00518	15.85	36.122	26.66		1519.9							
12.3	OBS	T00622	15.01	35.995	26.75		1518.9							
12.3	OBS	00821	13.30	35.761	26.94		1516.3							
12.3	OBS	01014	09.11	35.353	27.40		1504.3							
12.3	OBS	T01490	04.84	35.021	27.73		1495.1							

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TABLE LIV.–Observed and interpolated oceanographic data for stations taken by USCGC GALLATIN at Ocean Station ECHO, 30 July 1972 - 24 August 1972, prepared from NODC listing No. 31 - 2112.

A R C H I V E L I S T I N G

REFID 31 2112 YEAR 1972 BOTDP 09327 AIR TEMP 26.2 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 08 SHIP 3L WET BULB 23.9 21 1 2 WIND-SPD 17 TRACE DIR 5 SQUARE 4
LAT 35 23 N DAY 01 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 13.2 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E75 001 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	24.80	36.235	24.36		1535.7							
13.2	OBS	00025	24.78	36.218	24.35		1536.1							
13.2	OBS	00050	21.12	36.356	25.51		1527.5							
13.2	OBS	00075	19.23	36.384	26.04		1522.9							
13.2	OBS	00100	18.25	36.365	26.27		1520.5							
13.2	OBS	00150	17.61	36.345	26.42		1519.4							
13.2	OBS	T00205	17.29	36.333	26.48		1519.4							
13.2	OBS	00305	16.84	36.288	26.56		1519.6							
13.2	OBS	T00405	15.88	36.110	26.65		1518.1							
13.2	OBS	00510	14.72	35.912	26.75		1516.0							
13.2	OBS	T00610	13.32	35.707	26.89		1512.8							
13.2	OBS	00809	09.32	35.258	27.29		1501.5							
13.2	OBS	01013	06.30	35.069	27.59		1493.1							
13.2	OBS	T01519	04.34	35.074	27.83		1493.6							

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REFID 31 2112 YEAR 1972 BOTDP 04755 AIR TEMP 26.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 08 SHIP 3L WET BULB 23.5 20 1 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 55.6N DAY 02 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 12.4 AREA 05 CLOUD T/A 8/2 CL/TR /40 WEATHER X1 ORIG E75 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	24.92	36.245	24.33		1536.0							
12.4	OBS	00025	24.50	36.330	24.52		1535.5							
12.4	OBS	00049	19.74	36.441	25.95		1523.9							
12.4	OBS	00074	18.39	36.435	26.29		1520.5							
12.4	OBS	00099	17.63	36.403	26.45		1518.7							
12.4	OBS	00148	17.40	36.379	26.49		1518.8							
12.4	OBS	T00202	17.16	36.363	26.54		1519.0							
12.4	OBS	00300	16.50	36.267	26.62		1518.5							
12.4	OBS	T00399	15.28	36.061	26.74		1516.1							
12.4	OBS	00502	14.05	35.869	26.87		1513.7							
12.4	OBS	T00600	12.30	35.622	27.03		1509.1							
12.4	OBS	T00799	08.80	35.243	27.36		1499.4							
12.4	OBS	T01003	05.63	35.035	27.65		1490.2							
12.4	OBS	T01513	04.34	34.989	27.76		1493.4							

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REFID 31 2112 YEAR 1972 BOTDP 03292 AIR TEMP 25.3 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 08 SHIP 3L WET BULB 23.9 22 2 2 WIND-SPD 17 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 03 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E75 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	24.99	36.292	24.34		1536.2							
12.7	OBS	00024	24.43	36.466	24.64		1535.5							
12.7	OBS	00049	19.92	36.268	25.77		1524.2							
12.7	OBS	00073	18.41	36.450	26.30		1520.6							
12.7	OBS	00097	17.93	36.418	26.39		1519.6							
12.7	OBS	00146	17.50	36.373	26.46		1519.1							
12.7	OBS	00200	17.25	36.364	26.52		1519.2							
12.7	OBS	00298	16.82	36.307	26.58		1519.5							
12.7	OBS	T00395	15.81	36.140	26.69		1517.8							
12.7	OBS	00498	14.55	35.937	26.81		1515.3							
12.7	OBS	T00596	13.16	35.724	26.94		1512.1							
12.7	OBS	00792	08.80	35.167	27.30		1499.2							
12.7	OBS	00995	05.89	35.065	27.64		1491.1							
12.7	OBS	T01502	04.17	34.984	27.78		1492.5							

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TABLE LIV.—Continued

REFID 31 2112 YEAR 1972 BOTDP 04206 AIR TEMP 25.9 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 08 SHIP 3L WET BULB 23.9 27 0 2 WIND-SPD 02 TRACE DIR 5 SQUARE 4
LAT 35 01.5N DAY 04 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 12.0 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E75 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	25.22	36.318	24.29		1536.8							
12.0	OBS	00026	23.20	36.282	24.87		1532.4							
12.0	OBS	00051		36.335										
12.0	OBS	00076	18.40	36.409	26.27		1520.6							
12.0	OBS	00102	18.02	36.417	26.37		1519.9							
12.0	OBS	00152	17.56	36.389	26.46		1519.4							
12.0	OBS	00208	17.24	36.370	26.52		1519.3							
12.0	OBS	00309	16.64	36.288	26.61		1519.1							
12.0	OBS	T00410	15.51	36.092	26.72		1517.1							
12.0	OBS	00517	14.15	35.879	26.85		1514.2							
12.0	OBS	T00618	12.84	35.727	27.01		1511.4							
12.0	OBS	00820	08.77	35.228	27.35		1499.6							
12.0	OBS	01027	05.62	35.039	27.65		1490.6							
12.0	OBS	T01538	04.31	35.003	27.78		1493.7							

REFID 31 2112 YEAR 1972 BOTDP 03687 AIR TEMP 25.8 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 08 SHIP 3L WET BULB 23.9 27 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 57 N DAY 05 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E75 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.19	36.220	24.23		1536.6							
12.3	OBS	00025	24.62	36.217	24.40		1535.7							
12.3	OBS	00050		36.352										
12.3	OBS	00075	18.30	36.374	26.27		1520.2							
12.3	OBS	00100	17.98	36.412	26.38		1519.8							
12.3	OBS	00150	17.68	36.415	26.45		1519.7							
12.3	OBS	T00204	17.45	36.396	26.49		1519.9							
12.3	OBS	00304	16.81	36.322	26.59		1519.6							
12.3	OBS	T00404	15.83	36.102	26.70		1517.3							
12.3	OBS	00508	14.44	35.935	26.83		1515.1							
12.3	OBS	T00608	12.87	35.760	27.03		1511.4							
12.3	OBS	00808	08.58	35.225	27.38		1498.7							
12.3	OBS	01013	05.55	35.031	27.65		1490.0							
12.3	OBS	T01523	04.28	35.055	27.82		1493.4							

REFID 31 2112 YEAR 1972 BOTDP 04864 AIR TEMP 25.1 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 08 SHIP 3L WET BULB 23.0 24 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 06 DATA USE 1 BAROMETR 1026.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 12.6 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E75 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	25.43	36.168	24.11		1537.1							
12.6	OBS	00024	24.88	36.200	24.30		1536.3							
12.6	OBS	00049		36.241										
12.6	OBS	00073	18.53	36.459	26.27		1521.0							
12.6	OBS	00097	17.93	36.427	26.40		1519.6							
12.6	OBS	00146	17.61	36.404	26.46		1519.4							
12.6	OBS	T00199	17.26	36.380	26.53		1519.2							
12.6	OBS	00296	16.53	36.272	26.62		1518.5							
12.6	OBS	T00392	14.78	35.967	26.78		1514.3							
12.6	OBS	00492	13.54	35.778	26.90		1511.7							
12.6	OBS	T00587	12.16	35.594	27.04		1508.4							
12.6	OBS	00778	08.55	35.310	27.45		1498.2							
12.6	OBS	00974	05.76	35.056	27.65		1490.3							
12.6	OBS	T01471	04.22	34.996	27.78		1492.2							

REFID 31 2112 YEAR 1972 BOTDP 04901 AIR TEMP 26.2 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 08 SHIP 3L WET BULB 23.2 23 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 45 N DAY 07 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR /36 WEATHER X1 ORIG E75 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	25.59	36.250	24.12		1537.6							
12.7	OBS	00022	25.52	36.446	24.29		1538.0							
12.7	OBS	00044		36.383										
12.7	OBS	00065	18.66	36.326	26.14		1521.0							
12.7	OBS	00087	17.61	36.355	26.42		1518.4							
12.7	OBS	00130	17.02	36.321	26.54		1517.3							
12.7	OBS	T00178	16.50	36.251	26.61		1516.5							
12.7	OBS	00264	15.84	36.158	26.69		1515.8							
12.7	OBS	T00350	14.95	35.999	26.77		1514.2							
12.7	OBS	00440	13.51	35.760	26.89		1510.7							
12.7	OBS	T00527	12.33	35.630	27.03		1508.0							
12.7	OBS	T00704	09.07	35.327	27.38		1499.0							
12.7	OBS	00892	06.67	35.156	27.61		1492.7							
12.7	OBS	T01381	04.39	35.001	27.77		1491.4							

TABLE LIV.—Continued

REFID 31 2112 YEAR 1972 BOTDP 01682 AIR TEMP 24.0 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 08 SHIP 3L WET BULB 23.8 23 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 08 DATA USE 1 BAROMETR 1023.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 06 W HOUR 13.0 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X6 ORIG E75 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	25.55	36.219	24.11		1537.5							
13.0	OBS	00025	24.06	36.470	24.76		1534.7							
13.0	OBS	00049	19.91	36.377	25.85		1524.3							
13.0	OBS	00074	18.84	36.439	26.18		1521.8							
13.0	OBS	00099	18.36	36.448	26.31		1520.9							
13.0	OBS	00149	17.66	36.411	26.45		1519.6							
13.0	OBS	T00204	17.29	36.384	26.52		1519.4							
13.0	OBS	00303	16.51	36.257	26.61		1518.6							
13.0	OBS	T00403	15.19	36.029	26.74		1515.9							
13.0	OBS	00508	14.40	35.930	26.84		1515.0							
13.0	OBS	00607	12.60	35.649	26.99		1510.3							
13.0	OBS	T00806	08.97	35.278	27.36		1500.2							
13.0	OBS	T01010	05.84	35.057	27.64		1491.2							
13.0	OBS	T01519	04.32	35.007	27.78		1493.4							

REFID 31 2112 YEAR 1972 BOTDP 04206 AIR TEMP 25.3 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 08 SHIP 3L WET BULB 21.8 29 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 09 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E75 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.62	36.344	24.19		1537.8							
12.3	OBS	00025	25.37	36.464	24.35		1537.7							
12.3	OBS	00049	20.72	36.397	25.65		1526.5							
12.3	OBS	00073	18.94	36.388	26.11		1522.0							
12.3	OBS	00098	17.96	36.410	26.38		1519.7							
12.3	OBS	00146	17.50	36.386	26.47		1519.1							
12.3	OBS	T00200	17.19	36.353	26.52		1519.0							
12.3	OBS	00297	16.20	36.188	26.63		1517.4							
12.3	OBS	T00394	15.20	36.051	26.75		1515.8							
12.3	OBS	00496	13.77	35.811	26.88		1512.6							
12.3	OBS	T00593	12.57	35.663	27.01		1510.0							
12.3	OBS	T00788	08.98	35.269	27.35		1499.9							
12.3	OBS	00988	05.99	35.053	27.62		1491.4							
12.3	OBS	T01489	04.19	34.999	27.79		1492.4							

REFID 31 2112 YEAR 1972 BOTDP 04608 AIR TEMP 24.8 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 08 SHIP 3L WET BULB 22.8 49 1 X WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 10 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 12.0 AREA 05 CLOUD T/A 8/3 CL/TR /49 WEATHER X1 ORIG E75 010 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	25.60	36.241	24.11		1537.6							
12.0	OBS	00025	25.63	36.305	24.15		1538.2							
12.0	OBS	00050	20.94	36.399	25.59		1527.1							
12.0	OBS	00075	18.08	36.367	26.32		1519.6							
12.0	OBS	00100	17.50	36.361	26.45		1518.3							
12.0	OBS	00150	17.30	36.343	26.49		1518.5							
12.0	OBS	T00205	17.11	36.343	26.54		1518.9							
12.0	OBS	00304	16.61	36.286	26.61		1518.9							
12.0	OBS	T00403	15.16	36.030	26.75		1515.8							
12.0	OBS	00506	13.79	35.818	26.88		1512.8							
12.0	OBS	T00605	12.15	35.598	27.04		1508.7							
12.0	OBS	T00800	08.29	35.217	27.42		1497.5							
12.0	OBS	T01001	05.62	35.015	27.63		1490.1							
12.0	OBS	T01495	04.15	34.990	27.78		1492.3							

REFID 31 2112 YEAR 1972 BOTDP 04572 AIR TEMP 25.6 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 08 SHIP 3L WET BULB 22.2 00 0 X WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.5 AREA 05 CLOUD T/A 8/2 CL/TR /46 WEATHER X1 ORIG E75 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	25.70	36.034	23.93		1537.6							
12.5	OBS	00025	25.34	36.049	24.05		1537.2							
12.5	OBS	00049	22.36	36.185	25.03		1530.5							
12.5	OBS	00074		36.469										
12.5	OBS	00099	19.23	36.479	26.11		1523.4							
12.5	OBS	00148	18.14	36.439	26.36		1521.0							
12.5	OBS	T00202	17.65	36.389	26.44		1520.5							
12.5	OBS	00301	16.44	36.205	26.59		1518.3							
12.5	OBS	T00399	15.51	36.084	26.71		1516.9							
12.5	OBS	00503	14.36	35.910	26.83		1514.7							
12.5	OBS	T00601	12.22	35.581	27.02		1508.8							
12.5	OBS	T00798	08.77	35.253	27.37		1499.3							
12.5	OBS	01000	06.08	35.050	27.60		1492.0							
12.5	OBS	T01504	04.28	35.023	27.80		1493.0							

TABLE LIV.—Continued

REFID 31 2112 YEAR 1972 BOTDP 01920 AIR TEMP 25.7 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 08 SHIP 3L WET BULB 22.6 00 0 X WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 12 DATA USE 1 BAROMETR 1027.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07.8W HOUR 11.8 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E75 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	25.98	36.101	23.89		1538.3							
11.8	OBS	00024	25.14	36.186	24.21		1536.9							
11.8	OBS	00049	21.41	36.332	25.41		1528.3							
11.8	OBS	00073	21.10	36.375	25.53		1527.9							
11.8	OBS	00097	18.44	36.424	26.27		1521.0							
11.8	OBS	00146	17.50	36.357	26.45		1519.1							
11.8	OBS	00199	17.29	36.355	26.50		1519.3							
11.8	OBS	00296	16.81	36.307	26.58		1519.4							
11.8	OBS	T00393	15.56	36.124	26.73		1517.0							
11.8	OBS	00495	14.10	35.889	26.87		1513.7							
11.8	OBS	T00592	12.60	35.651	27.00		1510.1							
11.8	OBS	00786	08.83	35.208	27.33		1499.3							
11.8	OBS	00985	05.88	35.126	27.69		1491.0							
11.8	OBS	T01478	04.44											

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REFID 31 2112 YEAR 1972 BOTDP 04608 AIR TEMP 26.9 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 08 SHIP 3L WET BULB 23.2 12 0 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 13 DATA USE 1 BAROMETR 1028.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 52 W HOUR 12.5 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E75 013 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	26.07	36.119	23.88		1538.5							
12.5	OBS	00023	25.20	36.117	24.14		1536.9							
12.5	OBS	00045	21.42	36.295	25.38		1528.2							
12.5	OBS	00067	19.92	36.363	25.84		1524.6							
12.5	OBS	00089	19.46	36.441	26.02		1523.8							
12.5	OBS	00134	17.97											
12.5	OBS	00181		36.392										
12.5	OBS	00263	17.13	36.352	26.54		1519.9							
12.5	OBS	T00345	16.39	36.207	26.60		1518.8							
12.5	OBS	00430	15.20	35.998	26.71		1516.3							
12.5	OBS	T00510	14.05	35.831	26.84		1513.7							
12.5	OBS	T00670	11.13	35.535	27.19		1506.1							
12.5	OBS	00838	08.17	35.186	27.41		1497.6							
12.5	OBS	T01260	04.92											

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REFID 31 2112 YEAR 1972 BOTDP 04206 AIR TEMP 26.0 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 08 SHIP 3L WET BULB 23.1 10 0 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 01.3N DAY 14 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09.8W HOUR 12.2 AREA 05 CLOUD T/A 8/2 CL/TR /35 WEATHER X1 ORIG E75 014 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	25.95	36.156	23.94		1538.3							
12.2	OBS	00024	25.43	36.114	24.07		1537.5							
12.2	OBS	00048	22.81	36.331	25.02		1531.8							
12.2	OBS	00072	20.43	36.359	25.70		1526.1							
12.2	OBS	00096	18.74	36.339	26.13		1521.8							
12.2	OBS	00143	17.94	36.402	26.38		1520.3							
12.2	OBS	T00195	17.57	36.397	26.46		1520.1							
12.2	OBS	00289	16.94	36.336	26.57		1519.7							
12.2	OBS	T00383	15.87	36.132	26.67		1517.8							
12.2	OBS	00481	14.75	35.983	26.80		1515.7							
12.2	OBS	T00575	13.24	35.761	26.95		1512.1							
12.2	OBS	00762	09.02	35.219	27.31		1499.6							
12.2	OBS	00954	06.39	35.047	27.56		1492.4							
12.2	OBS	T01438	04.37	35.022	27.79		1492.3							

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REFID 31 2112 YEAR 1972 BOTDP 03658 AIR TEMP 25.8 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 08 SHIP 3L WET BULB 24.8 13 0 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 15 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E75 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	25.88	36.207	24.00		1538.2							
12.3	OBS	00022	25.62											
12.3	OBS	00044	22.79											
12.3	OBS	00089	18.41											
12.3	OBS	00134	17.80											
12.3	OBS	00182	17.46											
12.3	OBS	00270	17.07											
12.3	OBS	T00357	15.84											
12.3	OBS	00448	14.84											
12.3	OBS	T00534	13.82											
12.3	OBS	T00708	10.65											
12.3	OBS	00887	06.90											
12.3	OBS	T01344	04.58	35.048	27.78		1491.6							

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TABLE LIV.—Continued

REFID	31 2112	YEAR 1972	BOTDP 04572	AIR TEMP	26.2	DIR HGT PER		WIND-DIR 18		INST NANSEN CAST	TEN SQ 1206
CONSEC	0016	MONTH 08	SHIP 3L	WET BULB	24.0	18 1 2		WIND-SPD 15		TRACE DIR	5 SQUARE 2
LAT	34 00 N	UAY 17	DATA USE 1	BAROMETR	1021.5	SEA		WIND-FOR		DURATION	2 SQUARE 48
LONG	049 07 W	HOUR 12.9	AREA 05	CLOUD T/A	8/3	CL/TR /32		WEATHER X1		ORIG E75 016	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	26.35	36.465	24.05		1539.6							
12.9	OBS	00025	25.30	36.478	24.39		1537.6							
12.9	OBS	00050	20.61	36.365	25.66		1526.2							
12.9	OBS	00075	17.96	36.292	26.29		1519.2							
12.9	OBS	00100	17.17	36.312	26.50		1517.3							
12.9	OBS	00150	16.28	36.205	26.63		1515.3							
12.9	OBS	T00205	15.82	36.129	26.67		1514.7							
12.9	OBS	00305	14.77	35.986	26.80		1512.9							
12.9	OBS	T00405	13.47	35.766	26.91		1510.0							
12.9	OBS	00510	11.77	35.53,	27.07		1505.7							
12.9	OBS	T00610	09.v7	35.332	27.24		1500.7							
12.9	OBS	00810	06.34	35.071	27.59		1489.9							
12.9	OBS	01015	05.48	35.[illegible]	27.71		1489.9							
12.9	OBS	01525	04.52	34	27.74		1494.3							

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TABLE LV.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 24 August 1972 - 18 September 1972, prepared from NODC listing No. 31 - 2124.

REFID 31 2124	YEAR 1972	BOTDP 03357	AIR TEMP 29.5	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 08	SHIP BX	WET BULB 28.0	28 2 4	WIND-SPD 08	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 25	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 30 W	HOUR 19.1	AREA 05	CLOUD T/A 9/3	CL/TR	WEATHER X8	ORIG E76 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.1	OBS	00000	27.07	36.509	23.85		1541.2							
19.1	OBS	00026	26.51	36.506	24.03		1540.4							
19.1	OBS	00048	21.47	36.453	25.49		1528.5							
19.1	OBS	00074	18.85	36.426	26.17		1521.8							
19.1	OBS	00096	18.33	36.421	26.29		1520.7							
19.1	OBS	00144	17.67	36.414	26.45		1519.6							
19.1	OBS	T00191	17.35	36.385	26.51		1519.4							
19.1	OBS	00286	16.74	36.306	26.60		1519.0							
19.1	OBS	T00381	15.80	36.146	26.69		1517.5							
19.1	OBS	00476	14.57	35.949	26.82		1515.0							
19.1	OBS	T00570	13.04	35.719	26.96		1511.3							
19.1	OBS	T00766	08.91											
19.1	OBS	T00957	06.10	35.063	27.61		1491.3							

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REFID 31 2124	YEAR 1972	BOTDP 03112	AIR TEMP 26.3	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 08	SHIP BX	WET BULB 23.3	27 2 3	WIND-SPD 17	TRACE DIR	5 SQUARE 4
LAT 35 05 N	DAY 26	DATA USE 1	BAROMETR 1018.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 55 W	HOUR 12.6	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E76 002	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	26.97	36.506	23.88		1541.0							
12.6	OBS	00023	26.71	36.488	23.95		1540.8							
12.6	OBS	00043	23.66	36.443	24.85		1534.0							
12.6	OBS	00067	19.85	36.411	25.90		1524.5							
12.6	OBS	00088	18.83	36.413	26.16		1522.0							
12.6	OBS	00132	17.94	36.415	26.39		1520.2							
12.6	OBS	00176	17.62	36.402	26.46		1520.0							
12.6	OBS	00266	17.29	36.372	26.51		1520.4							
12.6	OBS	T00354	16.91	36.326	26.57		1520.7							
12.6	OBS	00442	16.09	36.184	26.65		1519.5							
12.6	OBS	T00529	14.86	35.995	26.79		1516.8							
12.6	OBS	T00709	11.38											
12.6	OBS	T00867	08.07	35.215	27.45		1498.1							

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REFID 31 2124	YEAR 1972	BOTDP 04762	AIR TEMP 26.3	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 08	SHIP BX	WET BULB 23.3	23 2 3	WIND-SPD 16	TRACE DIR	5 SQUARE 2
LAT 34 50 N	DAY 27	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 17 W	HOUR 12.7	AREA 05	CLOUD T/A 9/6	CL/TR	WEATHER X8	ORIG E76 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	26.71	36.453	23.93		1540.4							
12.7	OBS	00034	24.05	36.456	24.75		1534.8							
12.7	OBS	00064	19.65	36.504	26.02		1524.0							
12.7	OBS	00099	18.38	36.456	26.31		1520.9							
12.7	OBS	00128	18.01	36.435	26.39		1520.3							
12.7	OBS	00192	17.65	36.433	26.47		1520.3							
12.7	OBS	T00257	17.34	36.417	26.54		1520.5							
12.7	OBS	00385	16.22	36.221	26.65		1519.0							
12.7	OBS	00513	14.06	35.834	26.84		1513.8							
12.7	OBS	00647	11.58	35.490	27.07		1507.3							
12.7	OBS	00775	09.07	35.249	27.32		1500.0							
12.7	OBS	T01032	06.15											
12.7	OBS	T01288	05.17	35.098	27.75		1493.2							
12.7	OBS	01935	03.94	35.021	27.83		1498.9							

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TABLE LV.—Continued

REFID 31 2124 YEAR 1972 BOTDP 03664 AIR TEMP 24.7 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 08 SHIP BX WET BULB 22.3 00 0 X WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 28 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 17 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E76 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	26.63	36.548	24.02		1540.3							
12.3	OBS	00030	23.86	36.499	24.84		1534.3							
12.3	OBS	00055	19.78	36.469	25.96		1524.2							
12.3	OBS	00085	18.38	36.454	26.31		1520.7							
12.3	OBS	00110	18.02	36.472	26.41		1520.1							
12.3	OBS	00165	17.67	36.437	26.47		1520.0							
12.3	OBS	00220	17.46	36.440	26.52		1520.3							
12.3	OBS	00330	16.90	36.350	26.59		1520.3							
12.3	OBS	00440	15.62	36.107	26.70		1517.9							
12.3	OBS	00550	14.11	35.881	26.86		1514.6							
12.3	OBS	T00660	11.66	35.520	27.08		1507.8							
12.3	OBS	T00885	07.52											
12.3	OBS	T01105	05.77	35.118	27.70		1492.6							
12.3	OBS	01655	04.37	35.045	27.80		1496.0							

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REFID 31 2124 YEAR 1972 BOTDP 02785 AIR TEMP 26.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 08 SHIP BX WET BULB 23.4 27 1 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 29 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.5 AREA 05 CLOUD T/A 9/8 CL/TR WEATHER X2 ORIG E76 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	26.74	36.491	23.94		1540.5							
12.5	OBS	00025	26.11	36.530	24.17		1539.5							
12.5	OBS	00047	22.15	36.476	25.32		1530.3							
12.5	OBS	00072	19.00	36.506	26.19		1522.3							
12.5	OBS	00094	18.40	36.463	26.31		1520.9							
12.5	OBS	00140	17.81	36.438	26.44		1520.0							
12.5	OBS	T00187	17.51	36.399	26.48		1519.8							
12.5	OBS	00279	17.19	36.393	26.55		1520.4							
12.5	OBS	T00371	16.82	36.353	26.61		1520.7							
12.5	OBS	00464	15.60	36.118	26.72		1518.3							
12.5	OBS	T00556	14.36	35.922	26.84		1515.6							
12.5	OBS	T00749	11.16											
12.5	OBS	T00943	07.37	35.143	27.50		1496.2							
12.5	OBS	T01451	04.80	35.095	27.79		1494.4							

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REFID 31 2124 YEAR 1972 BOTDP 03411 AIR TEMP 26.2 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 08 SHIP BX WET BULB 23.4 01 2 4 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 30 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 11 W HOUR 12.1 AREA 05 CLOUD T/A 9/2 CL/TR /24 WEATHER X1 ORIG E76 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	26.76	36.553	23.99		1540.6							
12.1	OBS	00025	25.25	36.568	24.47		1537.6							
12.1	OBS	00050	21.51	36.568	25.56		1528.8							
12.1	OBS	00074	19.31	36.521	26.12		1523.2							
12.1	OBS	00099	18.77	36.521	26.26		1522.1							
12.1	OBS	00149	17.86	36.429	26.42		1520.2							
12.1	OBS	T00204	17.53	36.412	26.49		1520.2							
12.1	OBS	00304	17.12	36.383	26.56		1520.6							
12.1	OBS	T00404	16.48	36.275	26.63		1520.2							
12.1	OBS	00509	14.81	35.989	26.79		1516.4							
12.1	OBS	T00609	13.00	35.710	26.96		1511.8							
12.1	OBS	T00809	09.16											
12.1	OBS	01013	06.64	35.143	27.60		1494.5							
12.1	OBS	T01523	04.57	35.061	27.79		1494.6							

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REFID 31 2124 YEAR 1972 BOTDP 03422 AIR TEMP 26.2 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 08 SHIP BX WET BULB 22.5 03 1 4 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 31 DATA USE 1 BAROMETR 1021.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 13 W HOUR 12.2 AREA 05 CLOUD T/A 9/4 CL/TR WEATHER X8 ORIG E76 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	26.98	36.436	23.83		1540.9							
12.2	OBS	00025	26.21	36.471	24.10		1539.7							
12.2	OBS	00051	20.88	36.483	25.67		1527.1							
12.2	OBS	00076	18.92	36.507	26.21		1522.2							
12.2	OBS	00102	18.16	36.442	26.35		1520.4							
12.2	OBS	00152	17.76	36.432	26.45		1520.0							
12.2	OBS	T00208	17.51	36.415	26.49		1520.2							
12.2	OBS	00309	17.07	36.382	26.57		1520.5							
12.2	OBS	T00409	16.46	36.265	26.63		1520.2							
12.2	OBS	00515	14.73	35.955	26.78		1516.2							
12.2	OBS	T00615	13.02	35.713	26.96		1511.9							
12.2	OBS	T00817	08.62											
12.2	OBS	T01023	06.44	35.123	27.61		1493.9							
12.2	OBS	T01536	04.50	35.049	27.79		1494.5							

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TABLE LV.—Continued

REFID 31 2124 YEAR 1972 BOTDP 04312 AIR TEMP 26.2 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 09 SHIP BX WET BULB 23.2 00 0 A WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 59 N DAY 01 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 046 14 W HOUR 12.5 AREA 05 CLOUD T/A 9/6 CL/TR WEATHER X5 ORIG E76 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	26.82	36.433	23.88		1540.6							
12.5	OBS	00025	24.62	36.492	24.60		1536.0							
12.5	OBS	00050	20.40	36.415	25.75		1525.7							
12.5	OBS	00075	18.83	36.425	26.17		1521.8							
12.5	OBS	00100	18.23	36.420	26.32		1520.5							
12.5	OBS	00150	17.66	36.414	26.46		1519.7							
12.5	OBS	00204	17.45	36.392	26.45		1519.9							
12.5	OBS	00304	16.93	36.339	26.58		1519.9							
12.5	OBS	00403	16.23	36.144	26.54		1519.2							
12.5	OBS	00508	14.70	35.949	26.75		1515.9							
12.5	OBS	00607	12.92	35.695	26.97		1511.4							
12.5	OBS	00806	09.13											
12.5	OBS	T01010	06.45	35.129	27.62		1493.7							
12.5	OBS	T01520	04.58	35.053	27.75		1494.6							

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REFID 31 2124 YEAR 1972 BOTDP 04779 AIR TEMP 25.8 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 09 SHIP BX WET BULB 22.9 01 2 3 WIND-SPD 19 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 02 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.8 AREA 05 CLOUD T/A 9/8 CL/TR /15 WEATHER X2 ORIG E76 009 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	26.60	36.616	24.08		1540.3							
12.8	OBS	00031	25.26	36.609	24.50		1537.7							
12.8	OBS	00058	20.02	36.472	25.90		1524.9							
12.8	OBS	00090	18.43	36.495	26.33		1521.0							
12.8	OBS	00116	17.86	36.433	26.42		1519.7							
12.8	OBS	00175	17.53	36.402	26.48		1519.7							
12.8	OBS	T00233	17.29	36.390	26.53		1519.9							
12.8	OBS	00349	16.57	36.292	26.62		1519.5							
12.8	OBS	T00463	15.26	36.046	26.74		1517.1							
12.8	OBS	00581	13.12	35.715	26.94		1511.7							
12.8	OBS	T00693	11.03	35.430	27.12		1506.0							
12.8	OBS	T00915	07.29											
12.8	OBS	T01138	05.57	35.097	27.70		1492.3							
12.8	OBS	T01721	04.20	35.037	27.82		1496.4							

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REFID 31 2124 YEAR 1972 BOTDP 03497 AIR TEMP 24.4 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 09 SHIP BX WET BULB 20.3 05 2 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 03 DATA USE 1 BAROMETR 1015.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09 W HOUR 12.9 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E76 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	26.25	36.591	24.18		1539.5							
12.9	OBS	00032	24.00	36.573	24.85		1534.7							
12.9	OBS	00060	19.79	36.464	25.95		1524.3							
12.9	OBS	00092	18.58	36.473	26.27		1521.4							
12.9	OBS	00120	18.01	36.433	26.38		1520.2							
12.9	OBS	00180	17.70	36.432	26.46		1520.3							
12.9	OBS	T00240	17.44	36.404	26.50		1520.5							
12.9	OBS	00358	16.84	36.334	26.59		1520.6							
12.9	OBS	T00475	15.59	36.102	26.71		1518.4							
12.9	OBS	00594	13.47	35.770	26.91		1513.1							
12.9	OBS	T00708	11.12	35.445	27.12		1506.6							
12.9	OBS	T00936	07.00											
12.9	OBS	T01167	05.50	35.102	27.72		1492.5							
12.9	OBS	T01761	04.18	35.031	27.81		1497.0							

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REFID 31 2124 YEAR 1972 BOTDP 03777 AIR TEMP 24.0 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 09 SHIP BX WET BULB 18.8 36 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 05 DATA USE 1 BAROMETR 1010.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 07 W HOUR 13.2 AREA 05 CLOUD T/A 8/5 CL/TR /24 WEATHER X1 ORIG E76 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	25.86	36.571	24.28		1538.6							
13.2	OBS	00027	25.84	36.564	24.28		1539.0							
13.2	OBS	00051	22.25	36.405	25.23		1530.5							
13.2	OBS	00077	19.97	36.513	25.94		1525.1							
13.2	OBS	00100	18.48	36.423	26.26		1521.2							
13.2	OBS	00147	17.74	36.408	26.43		1519.8							
13.2	OBS	T00194	17.42	36.386	26.49		1519.6							
13.2	OBS	00282	17.06	36.369	26.57		1520.0							
13.2	OBS	T00368	16.36	36.243	26.64		1519.2							
13.2	OBS	00456	15.35	36.083	26.75		1517.3							
13.2	OBS	T00539	14.28	35.935	26.87		1515.1							
13.2	OBS	T00720	10.87											
13.2	OBS	T00914	07.67	35.159	27.47		1496.9							
13.2	OBS	T01468	04.55	35.049	27.79		1493.6							

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TABLE LV.—Continued

REFID 31 2124 YEAR 1972 BOTDP 03061 AIR TEMP 25.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 09 SHIP BX WET BULB 20.8 28 0 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1017.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 21.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E76 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.1	OBS	00000	26.10	36.319	24.02		1538.8							
21.1	OBS	00024	25.83	36.580	24.30		1538.9							
21.1	OBS	00049	22.82	36.552	25.18		1532.1							
21.1	OBS	00074	19.44	36.499	26.07		1523.6							
21.1	OBS	00098	18.39	36.463	26.31		1521.0							
21.1	OBS	00148	17.66	36.420	26.46		1519.6							
21.1	OBS	T00202	17.41	36.404	26.51		1519.8							
21.1	OBS	00300	16.90	36.361	26.60		1519.8							
21.1	OBS	T00398	16.11	36.215	26.67		1518.9							
21.1	OBS	00501	15.14	36.070	26.78		1517.4							
21.1	OBS	T00598	13.68	35.846	26.93		1514.0							
21.1	OBS	00793	09.75											
21.1	OBS	T00992	07.08	35.190	27.58		1496.0							
21.1	OBS	T01489	04.57	35.059	27.79		1494.0							

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REFID 31 2124 YEAR 1972 BOTDP 04252 AIR TEMP 25.2 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 09 SHIP BX WET BULB 21.2 24 0 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 07 DATA USE 1 BAROMETR 1019.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14 W HOUR 12.4 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E76 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	25.78	36.382	24.17		1538.2							
12.4	OBS	00030	24.93	36.588	24.58		1536.9							
12.4	OBS	00055	20.32	36.457	25.81		1525.6							
12.4	OBS	00085	18.59	36.462	26.26		1521.3							
12.4	OBS	00110	18.05	36.447	26.38		1520.2							
12.4	OBS	00165	17.53	36.399	26.48		1519.5							
12.4	OBS	T00220	17.37	36.393	26.51		1519.9							
12.4	OBS	00329	16.86	36.341	26.59		1520.1							
12.4	OBS	00438	15.94	36.185	26.69		1519.0							
12.4	OBS	00547	14.58	35.960	26.82		1516.2							
12.4	OBS	T00656	12.37	35.616	27.01		1510.3							
12.4	OBS	T00877	08.25											
12.4	OBS	T01093	06.15	35.160	27.68		1493.9							
12.4	OBS	T01628	04.20	35.001	27.79		1494.7							

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REFID 31 2124 YEAR 1972 BOTDP 04191 AIR TEMP 24.4 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 09 SHIP BX WET BULB 19.1 31 3 5 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 21.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E76 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.0	OBS	00000	26.06	36.543	24.20		1539.0							
21.0	OBS	00025	24.65	36.490	24.59		1536.1							
21.0	OBS	00050	20.21	36.456	25.83		1525.2							
21.0	OBS	00076	18.34	36.442	26.31		1520.4							
21.0	OBS	00101	17.84	36.428	26.42		1519.4							
21.0	OBS	00152	17.57	36.426	26.49		1519.4							
21.0	OBS	00207	17.41	36.413	26.52		1519.9							
21.0	OBS	00308	16.90	36.348	26.59		1519.9							
21.0	OBS	00409	16.04	36.182	26.66		1518.8							
21.0	OBS	00515	14.72	35.988	26.81		1516.2							
21.0	OBS	T00616	13.16	35.754	26.96		1512.5							
21.0	OBS	T00818	09.27											
21.0	OBS	T01025	06.32	35.122	27.63		1493.4							
21.0	OBS	T01541	04.57	35.007	27.75		1494.8							

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TABLE LV.—Continued

REFID 31 2124 YEAR 1972 BOTDP 04877 AIR TEMP 24.4 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 09 SHIP BX WET BULB 19.7 34 2 4 WIND-SPD 04 TRACE DIR 5 SQUARE 2
LAT 34 42 N DAY 14 DATA USE 1 BAROMETR 1023.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.5 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E76 015 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	26.01	36.484	24.17		1538.8							
12.5	OBS	00025	25.84	36.481	24.22		1538.8							
12.5	OBS	00050	21.04	36.537	25.67		1527.5							
12.5	OBS	00075	19.45	36.534	26.09		1523.7							
12.5	OBS	00100	18.49	36.484	26.30		1521.3							
12.5	OBS	00150	17.74	36.422	26.44		1519.9							
12.5	OBS	00305	16.98	36.358	26.58		1520.1							
12.5	OBS	T00405	16.33	36.245	26.65		1519.7							
12.5	OBS	00510	15.19	36.066	26.77		1517.7							
12.5	OBS	T00610	13.76	35.833	26.90		1514.4							
12.5	OBS	T00810	10.38											
12.5	OBS	T01015	06.56	35.091	27.57		1494.2							
12.5	OBS	T01525	04.55	35.050	27.79		1494.5							
16.0	OBS	T02037	03.72	34.980	27.82		1499.6							
16.0	OBS	T02548	03.31	34.967	27.85		1500.6							
16.0	OBS	03056	02.95	34.945	27.87		1513.8							
16.0	OBS	T03567	02.52	34.931	27.89		1520.9							
16.0	OBS	T04074	02.33											
16.0	OBS	T04744	02.26	34.888	27.88		1540.5							
16.0	OBS	04844	02.28	34.896	27.89		1542.4							

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REFID 31 2124 YEAR 1972 BOTDP 03662 AIR TEMP 25.3 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 09 SHIP BX WET BULB 21.0 27 1 3 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 15 DATA USE 1 BAROMETR 1018.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 23.4 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E76 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.4	OBS	00000	26.02	36.530	24.20		1538.9							
23.4	OBS	00025	25.89	36.537	24.25		1539.0							
23.4	OBS	00051	22.06	36.529	25.38		1530.2							
23.4	OBS	00077	19.36	36.535	26.12		1523.4							
23.4	OBS	00102	18.47	36.476	26.30		1521.3							
23.4	OBS	00153	17.81	36.428	26.43		1520.2							
23.4	OBS	T00209	17.56	36.422	26.49		1520.3							
23.4	OBS	00310	17.14	36.407	26.58		1520.7							
23.4	OBS	T00411	16.51	36.268	26.62		1520.4							
23.4	OBS	00517	15.38	36.090	26.74		1518.4							
23.4	OBS	T00618	13.80	35.838	26.89		1514.7							
23.4	OBS	00819	09.59											
23.4	OBS	T01024	06.64	35.154	27.61		1494.7							
23.4	OBS	T01535	04.22	35.002	27.79		1493.3							

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REFID 31 2124 YEAR 1972 BOTDP 03900 AIR TEMP 25.4 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 09 SHIP BX WET BULB 21.8 32 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 14 N DAY 17 DATA USE 1 BAROMETR 1023.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 24 W HOUR 13.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E76 017 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	25.79	36.127	23.97		1537.9							
13.1	OBS	00028	25.81	36.261	24.06		1538.6							
13.1	OBS	00052	21.97	36.343	25.27		1529.8							
13.1	OBS	00080	19.84	36.498	25.96		1524.8							
13.1	OBS	00104	18.72	36.488	26.25		1522.0							
13.1	OBS	00155	17.82	36.435	26.43		1520.2							
13.1	OBS	00207	17.56	36.421	26.49		1520.3							
13.1	OBS	00311	17.25	36.391	26.54		1521.1							
13.1	OBS	00415	16.51	36.270	26.62		1520.4							
13.1	OBS	00519	15.36	36.085	26.74		1518.4							
13.1	OBS	T00623	13.81	35.843	26.90		1514.8							
13.1	OBS	T00835	09.18											
13.1	OBS	T01043	06.53	35.136	27.61		1494.6							
13.1	OBS	T01562	04.29	35.014	27.79		1494.0							

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TABLE LVI.–Observed and interpolated oceanographic data for stations taken by USCGC WINNEBAGO at Ocean Station ECHO, 18 September 1972 - 8 October 1972, prepared from NODC listing No. 31 - 2086.

REFID 31 2086	YEAR 1972	BOTDP 03109	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 28	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 09	SHIP WO	WET BULB 21.8	28 0 2	WIND-SPD 06	TRACE DIR	5 SQUARE 4
LAT 35 03 N	DAY 19	DATA USE 1	BAROMETR 1024.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 12.8	AREA 05	CLOUD T/A 8/6	CL/TR /34	WEATHER X1	ORIG E77 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	26.02	36.366	24.08		1538.7							
12.8	OBS	00025	26.03	36.378	24.08		1539.2							
12.8	OBS	00050	20.90	36.451	25.64		1527.1							
12.8	OBS	00075	19.02	36.412	26.11		1522.3							
12.8	OBS	00100	18.23	36.393	26.30		1520.5							
12.8	OBS	00150	17.68	36.369	26.42		1519.7							
12.8	OBS	T00205	17.52	36.366	26.45		1520.1							
12.8	OBS	00305	17.02	36.316	26.54		1520.2							
12.8	OBS	00405	16.11	36.158	26.63		1518.9							
12.8	OBS	T00510	14.93	35.967	26.75		1516.7							
12.8	OBS	00610	13.88	35.802	26.85		1514.8							
12.8	OBS	T00810	10.44	35.358	27.17		1505.7							
12.8	OBS	T01015	06.91	35.088	27.52		1495.5							
12.8	OBS	01525	04.91	35.031	27.73		1496.0							

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REFID 31 2086	YEAR 1972	BOTDP 02560	AIR TEMP	DIR HGT PER	WIND-DIR	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 09	SHIP WO	WET BULB		WIND-SPD	TRACE DIR	5 SQUARE 4
LAT 35 09 N	DAY 20	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 10 W	HOUR 18.7	AREA 05	CLOUD T/A	CL/TR	WEATHER	ORIG E77 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.7	OBS	00000	26.12	36.323	24.01		1538.9							
18.7	OBS	00026	25.90	36.332	24.09		1538.8							
18.7	OBS	00048	22.62	36.401	25.12		1531.4							
18.7	OBS	00074	19.31	36.475	26.09		1523.2							
18.7	OBS	00097	18.46	36.436	26.27		1521.1							
18.7	OBS	00146	17.59	36.358	26.43		1519.3							
18.7	OBS	T00196	17.43	36.345	26.46		1519.7							
18.7	OBS	00296	16.96	36.309	26.55		1519.9							
18.7	OBS	00398	16.16	36.167	26.63		1519.0							
18.7	OBS	T00501	14.88	35.953	26.75		1516.4							
18.7	OBS	T00604	13.67	35.770	26.87		1514.0							
18.7	OBS	T00819	10.06	35.308	27.20		1504.5							

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REFID 31 2086	YEAR 1972	BOTDP 04764	AIR TEMP 25.3	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 09	SHIP WO	WET BULB 22.3	35 3 2	WIND-SPD 23	TRACE DIR	5 SQUARE 2
LAT 34 54 N	DAY 21	DATA USE 1	BAROMETR 1020.2	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 04 W	HOUR 12.7	AREA 05	CLOUD T/A 3/6	CL/TR	WEATHER X1	ORIG E77 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	26.43	36.329	23.92		1539.6							
12.7	OBS	00029	23.65	36.418	24.84		1533.7							
12.7	OBS	00053	19.55	36.401	25.97		1523.4							
12.7	OBS	00082	18.42	36.409	26.26		1520.7							
12.7	OBS	00107	18.10	36.396	26.33		1520.2							
12.7	OBS	00161		36.388										
12.7	OBS	T00214	17.46	36.341	26.45		1520.0							
12.7	OBS	00323	17.01	36.302	26.53		1520.4							
12.7	OBS	00434	16.15	36.166	26.63		1519.5							
12.7	OBS	T00549	14.54	35.908	26.79		1516.1							
12.7	OBS	T00663	13.00	35.669	26.93		1512.6							
12.7	OBS	T00897	08.49	35.140	27.33		1499.7							
12.7	OBS	T01137	06.04	35.068	27.62		1494.1							
12.7	OBS	T01761	04.10	34.952	27.76		1496.5							

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TABLE LVI.—Continued

REFID 31 2086 YEAR 1972 BOTDP 03475 AIR TEMP 24.7 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 09 SHIP WO WET BULB 18.5 36 7 4 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 22 DATA USE 1 BAROMETR 1023.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 16.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E77 004 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.5	OBS	00000	25.85	36.340	24.11		1538.3							
16.5	OBS	00032	22.94	36.422	25.05		1532.0							
16.5	OBS	00060	18.96	36.396	26.12		1521.9							
16.5	OBS	00092	18.36	36.390	26.26		1520.7							
16.5	OBS	00120	18.09	36.422	26.36		1520.4							
16.5	OBS	00180	17.68	36.380	26.42		1520.2							
16.5	OBS	T00240	17.36	36.343	26.47		1520.2							
16.5	OBS	00361	16.79	36.276	26.56		1520.4							
16.5	OBS	00481	15.66	36.088	26.68		1518.7							
16.5	OBS	T00607	14.04	35.823	26.83		1515.3							
16.5	OBS	T00728	12.22	35.550	26.99		1510.9							
16.5	OBS	T00972	07.36	35.069	27.44		1496.6							
16.5	OBS	T01218	05.66	35.080	27.68		1494.0							

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REFID 31 2086 YEAR 1972 BOTDP 02743 AIR TEMP 23.4 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 09 SHIP WO WET BULB 18.7 02 3 4 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 23 DATA USE 1 BAROMETR 1024.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.8 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E77 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	25.77	36.301	24.11		1538.1							
12.8	OBS	00020	25.77	36.301	24.11		1538.4							
12.8	OBS	00039	22.54	36.514	25.23		1531.2							
12.8	OBS	00059	19.34	36.436	26.05		1523.0							
12.8	OBS	00078	18.27	36.456	26.34		1520.3							
12.8	OBS	00117	17.78	36.435	26.44		1519.5							
12.8	OBS	T00160	17.57	36.410	26.47		1519.6							

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REFID 31 2086 YEAR 1972 BOTDP 03109 AIR TEMP 24.7 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 09 SHIP WO WET BULB 18.8 06 3 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 27 DATA USE 1 BAROMETR 1023.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 13.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E77 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	OBS	00000	25.18	36.284	24.28		1536.7							
13.9	OBS	00024	25.19	36.288	24.28		1537.1							
13.9	OBS	00045	25.16	36.278	24.28		1537.4							
13.9	OBS	00069	21.27	36.516	25.59		1528.4							
13.9	OBS	00089	19.96	36.476	25.92		1525.2							
13.9	OBS	00133	18.26	36.447	26.33		1521.2							
13.9	OBS	00177	17.68	36.425	26.46		1520.2							
13.9	OBS	00266	17.22	36.385	26.54		1520.2							
13.9	OBS	00354	16.77	36.325	26.60		1520.3							
13.9	OBS	00442	15.86	36.138	26.67		1518.7							
13.9	OBS	00530	14.88	35.988	26.76		1516.9							
13.9	OBS	T00709	12.14											
13.9	OBS	T00884	08.52											

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REFID 31 2086 YEAR 1972 BOTDP 04206 AIR TEMP 25.0 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 09 SHIP WO WET BULB 21.0 07 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 28 DATA USE 1 BAROMETR 1022.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 15.6 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E77 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.6	OBS	00000	25.18	36.341	24.32		1536.7							
15.6	OBS	00025	25.00	36.334	24.37		1536.7							
15.6	OBS	00046	24.33	36.342	24.58		1535.5							
15.6	OBS	00070	19.97	36.483	25.92		1524.9							
15.6	OBS	00091	18.74	36.451	26.21		1521.8							
15.6	OBS	00137	17.91	36.443	26.42		1520.2							
15.6	OBS	T00182	17.62	36.409	26.46		1520.1							
15.6	OBS	00273	17.20	36.387	26.55		1520.3							
15.6	OBS	00364	16.40	36.265	26.64		1519.2							
15.6	OBS	T00456	15.72	36.144	26.71		1518.5							
15.6	OBS	00549	14.77	35.985	26.80		1516.9							
15.6	OBS	T00742	11.69	35.507	27.06		1509.2							
15.6	OBS	T00934	08.16	35.233	27.45		1499.2							
15.6	OBS	T01438	04.89	35.074	27.77		1494.5							

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TABLE LVI.—Continued

REFID 31 2086	YEAR 1972	BOTDP 04660	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0008	MONTH 10	SHIP WO	WET BULB 21.1	15 2 3	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 02 N	DAY 02	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 53 W	HOUR 16.3	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG E77 008	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.3	OBS	00000	24.71	36.207	24.36		1535.5							
16.3	OBS	00025	24.61	36.212	24.40		1535.7							
16.3	OBS	00047	22.10	36.447	25.31		1530.1							
16.3	OBS	00072	20.30	36.467	25.82		1525.8							
16.3	OBS	00093	19.19	36.463	26.11		1523.1							
16.3	OBS	00140		36.459										
16.3	OBS	T00187	17.77	36.403	26.42		1520.6							
16.3	OBS	00282	17.42	36.371	26.48		1521.1							
16.3	OBS	00378	16.96	36.319	26.55		1521.2							
16.3	OBS	00476	16.21	36.179	26.62		1520.4							
16.3	OBS	00573	14.64	35.899	26.76		1516.8							
16.3	OBS	T00772	10.62	35.335	27.12		1505.7							
16.3	OBS	00972	07.52	35.079	27.43		1497.2							
16.3	OBS	T01479	04.80	35.048	27.76		1494.8							

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REFID 31 2086	YEAR 1972	BOTDP 03840	AIR TEMP 25.8	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1206
CONSEC 0009	MONTH 10	SHIP WO	WET BULB 22.8	18 3 3	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 35 04 N	DAY 03	DATA USE 1	BAROMETR 1023.4	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 58 W	HOUR 12.8	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E77 009	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	24.74	36.383	24.49		1535.8							
12.8	OBS	00027	24.72	36.436	24.53		1536.2							
12.8	OBS	00050	22.26	36.483	25.25		1530.6							
12.8	OBS	00077	20.53	36.464	25.75		1526.5							
12.8	OBS	00101	18.78	36.426	26.18		1522.1							
12.8	OBS	T00205	17.82	36.422	26.42		1521.0							
12.8	OBS	00312	17.37	36.396	26.51		1521.4							
12.8	OBS	00422	16.83											
12.8	OBS	00538	15.30	36.017	26.71		1518.4							
12.8	OBS	00652	13.89	35.792	26.84		1515.5							
12.8	OBS	00885	08.41	35.087	27.30		1499.2							
12.8	OBS	T01121	05.63	35.038	27.65		1492.2							
12.8	OBS	T01733	04.09	34.967	27.77		1496.0							

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TABLE LVII.–Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 23 November 1972 - 16 December 1972, prepared from NODC listing No. 31 - 2132.

REFID 31 2132 YEAR 1972 BOTDP 02215 AIR TEMP 19.6 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 11 SHIP AI WET BULB 14.3 27 3 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 26 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 47 W HOUR 13.5 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E78 001 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	21.83	36.273	25.25		1528.5							
13.5	OBS	00027	21.83	36.282	25.26		1528.9							
13.5	OBS	00049	21.86	36.274	25.24		1529.4							
13.5	OBS	00075	21.85	36.273	25.25		1529.8							
13.5	OBS	00097	21.65	36.370	25.38		1529.7							
13.5	OBS	00145	19.45	36.505	26.07		1524.8							
13.5	OBS	00194	18.40	36.457	26.30		1522.6							
13.5	OBS	00290	17.78	36.414	26.43		1522.3							
13.5	OBS	00386	17.49	36.408	26.49		1523.0							
13.5	OBS	00484	16.78	36.301	26.58		1522.4							
13.5	OBS	T00581	15.04	35.982	26.74		1518.3							
13.5	OBS	T00782	10.31	35.307	27.16		1504.8							
13.5	OBS	T00979	06.31	35.020	27.55		1492.5							
13.5	OBS	T01472	04.46	34.998	27.76		1493.2							

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REFID 31 2132 YEAR 1972 BOTDP 03759 AIR TEMP 20.0 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 11 SHIP AI WET BULB 15.0 11 3 2 WIND-SPD 20 TRACE DIR 5 SQUARE 4
LAT 35 13 N DAY 27 DATA USE 1 BAROMETR 1031.5 SEA WIND-FOR DURATION 2 SQUARE 44
LONG 048 11 W HOUR 17.6 AREA 05 CLOUD T/A 6/6 CL/TR /20 WEATHER X1 ORIG E78 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	OBS	00000	21.77	36.272	25.27		1528.3							
17.6	OBS	00031	21.73	36.276	25.28		1528.7							
17.6	OBS	00058	21.76	36.266	25.27		1529.2							
17.6	OBS	00090	21.53	36.285	25.34		1529.2							
17.6	OBS	00117	21.20	36.331	25.47		1528.8							
17.6	OBS	00175	19.19	36.503	26.14		1524.5							
17.6	OBS	00233	18.11	36.435	26.36		1522.3							
17.6	OBS	00350	17.51	36.405	26.45		1522.5							
17.6	OBS	T00466	16.63	36.272	26.60		1521.6							
17.6	OBS	00587	14.72	35.939	26.77		1517.3							
17.6	OBS	00704	12.39	35.579	26.98		1511.1							
17.6	OBS	T00939	06.94	35.046	27.48		1494.3							
17.6	OBS	T01178	05.06	35.022	27.71		1490.8							

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REFID 31 2132 YEAR 1972 BOTDP 02200 AIR TEMP 20.9 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 11 SHIP AI WET BULB 17.2 11 3 3 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 17 N DAY 28 DATA USE 1 BAROMETR 1032.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 18.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E78 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	21.64	36.275	25.31		1528.0							
18.5	OBS	00029	21.58	36.276	25.32		1528.3							
18.5	OBS	00053	21.50	36.285	25.35		1528.5							
18.5	OBS	00083	21.31	36.310	25.42		1528.5							
18.5	OBS	00107	21.11	36.353	25.51		1528.4							
18.5	OBS	00161	19.62	36.509	26.03		1525.5							
18.5	OBS	T00214	18.30	36.443	26.32		1522.6							
18.5	OBS	00322	17.60	36.420	26.48		1522.3							
18.5	OBS	T00429	16.92	35.328	26.57		1522.0							
18.5	OBS	00537	15.16	36.003	26.73		1517.9							
18.5	OBS	00645	13.42	35.729	26.89		1513.8							
18.5	OBS	00865	07.96	35.072	27.36		1497.1							
18.5	OBS	T01081	06.01	35.099	27.65		1493.1							
18.5	OBS	01621	04.14	34.997	27.79		1494.4							

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TABLE LVII.—Continued

REFID 31 2132 YEAR 1972 BOTDP 03418 AIR TEMP 21.1 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 11 SHIP AI WET BULB 18.9 11 2 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 14 N DAY 30 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 13.0 AREA 05 CLOUD T/A 4/4 CL/TR WEATHER X1 ORIG E78 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	21.67	36.308	25.32		1528.1							
13.0	OBS	00025		36.308										
13.0	OBS	00050	21.64	36.305	25.33		1528.8							
13.0	OBS	00075	21.64	36.302	25.33		1529.2							
13.0	OBS	00099	21.56	36.327	25.37		1529.5							
13.0	OBS	00149	18.96	36.492	26.19		1523.5							
13.0	OBS	00204	18.24	36.448	26.34		1522.3							
13.0	OBS	00303	17.62	36.420	26.47		1522.1							
13.0	OBS	00402	17.02	36.347	26.56		1521.8							
13.0	OBS	00507	15.81	36.126	26.67		1519.6							
13.0	OBS	00606	14.26	35.861	26.81		1516.0							
13.0	OBS	00805	09.73	35.230	27.20		1502.9							
13.0	OBS	T01008	05.96	35.014	27.59		1491.6							
13.0	OBS	T01515	04.35	35.001	27.77		1493.5							

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REFID 31 2132 YEAR 1972 BOTDP 04264 AIR TEMP 24.0 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 12 SHIP AI WET BULB 21.9 12 0 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 34 36 N DAY 01 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.9 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E78 005 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	21.64	36.288	25.32		1528.0							
12.9	OBS	00024	21.56	36.293	25.34		1528.2							
12.9	OBS	00049	21.57	36.300	25.34		1528.6							
12.9	OBS	00073	21.53	36.304	25.36		1528.9							
12.9	OBS	00098	20.74	36.489	25.72		1527.5							
12.9	OBS	00146	18.97	36.489	26.18		1523.4							
12.9	OBS	T00200	18.08	36.447	26.38		1521.7							
12.9	OBS	00298	17.54	36.418	26.49		1521.7							
12.9	OBS	00396	16.88	36.328	26.58		1521.3							
12.9	OBS	00500	15.51	36.081	26.71		1518.5							
12.9	OBS	00598	13.87	35.795	26.85		1514.6							
12.9	OBS	T00796	09.74	35.246	27.21		1502.8							
12.9	OBS	T01001	06.45	35.068	27.57		1493.5							
12.9	OBS	01511		35.024										
16.6	OBS	T01955	03.80	34.989	27.82		1498.6							
16.6	OBS	T02462	03.41	34.980	27.85		1505.6							
16.6	OBS	T02965	02.98	34.952	27.87		1512.4							
16.6	OBS	T03475	02.62	34.927	27.88		1519.7							

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REFID 31 2132 YEAR 1972 BOTDP 04864 AIR TEMP 22.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 12 SHIP AI WET BULB 18.9 27 2 2 WIND-SPD 19 TRACE DIR 5 SQUARE 2
LAT 34 43 N DAY 02 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 13.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E78 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	21.67	36.284	25.30		1528.1							
13.3	OBS	00032	21.61	36.282	25.32		1528.4							
13.3	OBS	00060	21.40	36.295	25.39		1528.4							
13.3	OBS	00093	21.26	36.308	25.44		1528.6							
13.3	OBS	00121	19.96	36.519	25.95		1525.8							
13.3	OBS	00181	18.37	36.456	26.31		1522.3							
13.3	OBS	00242	17.84	36.424	26.42		1521.7							
13.3	OBS	00363	17.47	36.400	26.49		1522.6							
13.3	OBS	00485	16.33	36.269	26.65		1521.2							
13.3	OBS	00611	14.52	35.899	26.79		1517.0							
13.3	OBS	00733	11.10	35.402	27.09		1506.9							
13.3	OBS	T00977	06.45	35.060	27.56		1493.1							
13.3	OBS	T01225	05.33	35.095	27.73		1492.8							
13.3	OBS	T01862	03.95	34.986	27.80		1497.6							

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TABLE LVII.—Continued

REFID 31 2132 YEAR 1972 BOTDP 05572 AIR TEMP 21.3 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 12 SHIP AI WET BULB 19.1 25 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 03 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.6 AREA 05 CLOUD T/A 7/8 CL/TR /25 WEATHER X2 ORIG E78 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	21.62	36.269	25.31		1527.9							
12.6	OBS	00029	21.60	36.280	25.32		1528.4							
12.6	OBS	00052	21.64	36.285	25.31		1528.8							
12.6	OBS	00081	21.55	36.309	25.36		1529.1							
12.6	OBS	00104	20.70	36.539	25.77		1527.5							
12.6	OBS	00208	19.82	36.599	26.05		1526.9							
12.6	OBS	00312	17.81	36.434	26.43		1522.8							
12.6	OBS	00417	17.15	36.357	26.54		1522.5							
12.6	OBS	00521	15.59	36.072	26.68		1519.1							
12.6	OBS	00627	13.60	35.747	26.87		1514.1							
12.6	OBS	T00843	08.60	35.130	27.30		1499.2							
12.6	OBS	T01055	05.78	35.048	27.64		1491.7							
12.6	OBS	T01594	04.29	34.998	27.78		1494.5							

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REFID 31 2132 YEAR 1972 BOTDP 03975 AIR TEMP 20.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 12 SHIP AI WET BULB 19.9 25 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 04 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 13.0 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER X2 ORIG E78 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	21.59	36.333	25.36		1527.9							
13.0	OBS	00026	21.69	36.429	25.41		1528.7							
13.0	OBS	00048	21.81	36.476	25.41		1529.4							
13.0	OBS	00075	21.77	36.530	25.46		1529.8							
13.0	OBS	00097	20.13	36.501	25.89		1525.8							
13.0	OBS	00145		36.477										
13.0	OBS	00193	18.19	36.443	26.35		1521.9							
13.0	OBS	00290	17.56	36.406	26.47		1521.7							
13.0	OBS	00386	17.05	36.350	26.56		1521.7							
13.0	OBS	00483		36.089										
13.0	OBS	00580	14.22	35.864	26.83		1515.5							
13.0	OBS	00778	09.84	35.246	27.19		1502.9							
13.0	OBS	T00971	06.34	35.022	27.55		1492.3							
13.0	OBS	T01472	04.43	35.005	27.77		1493.1							

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REFID 31 2132 YEAR 1972 BOTDP 02587 AIR TEMP 21.3 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 12 SHIP AI WET BULB 18.4 27 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 12 N DAY 05 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 12.8 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X6 ORIG E78 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	21.65	36.462	25.45		1528.2							
12.8	OBS	00027	21.55	36.462	25.47		1528.4							
12.8	OBS	00049	21.58	36.467	25.47		1528.9							
12.8	OBS	00076	20.33	36.500	25.84		1526.0							
12.8	OBS	00098	19.67	36.507	26.02		1524.6							
12.8	OBS	00147	18.74	36.471	26.23		1522.8							
12.8	OBS	00196	18.01	36.440	26.39		1521.5							
12.8	OBS	00294	17.45	36.394	26.49		1521.4							
12.8	OBS	00392	16.81	36.309	26.58		1521.0							
12.8	OBS	00490	15.89	36.151	26.68		1519.6							
12.8	OBS	00588	14.20	35.861	26.83		1515.5							
12.8	OBS	T00790	09.16	35.170	27.24		1500.5							
12.8	OBS	T00992	06.31	35.090	27.60		1492.8							
12.8	OBS	T01511	03.90	34.993	27.81		1491.5							

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REFID 31 2132 YEAR 1972 BOTDP 01792 AIR TEMP 21.2 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 12 SHIP AI WET BULB 18.8 12 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 35 17 N DAY 09 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 16 W HOUR 13.4 AREA 05 CLOUD T/A 8/7 CL/TR /23 WEATHER X1 ORIG E78 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	21.37	36.387	25.47		1527.4							
13.4	OBS	00027	21.36	36.392	25.47		1527.8							
13.4	OBS	00050	20.83											
13.4	OBS	00077	20.52											
13.4	OBS	00100	19.71	36.507	26.01		1524.7							
13.4	OBS	00151	18.09	36.415	26.35		1520.9							
13.4	OBS	00200	17.55	36.377	26.45		1520.1							
13.4	OBS	00300	16.74	36.276	26.57		1519.2							
13.4	OBS	T00400	15.34	36.026	26.70		1516.3							
13.4	OBS	00497	14.37	35.907	26.83		1514.6							
13.4	OBS	00593	12.96	35.690	26.95		1511.3							
13.4	OBS	00783	09.01	35.228	27.31		1499.9							
13.4	OBS	T00960	06.32	35.047	27.57		1492.3							
13.4	OBS	T01366	04.45	34.990	27.75		1491.4							

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TABLE LVII.—Continued

REFID 31 2132	YEAR 1972	BOTDP 04241	AIR TEMP 21.7	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0011	MONTH 12	SHIP AI	WET BULB 19.4	29 2 2	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 35 03 N	DAY 10	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 047 52 W	HOUR 19.1	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER Xb	ORIG E78 011	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.1	OBS	00000	21.44	36.383	25.44		1527.6							
19.1	OBS	00022		36.381										
19.1	OBS	00041	21.31											
19.1	OBS	00063	21.33											
19.1	OBS	00081	20.98	36.412	25.59		1527.7							
19.1	OBS	00121	19.02	36.482	26.17		1523.2							
19.1	OBS	00162	18.12	36.432	26.36		1521.2							
19.1	OBS	00242	17.44	36.383	26.49		1520.5							
19.1	OBS	00322	17.06	36.350	26.55		1520.6							
19.1	OBS	00403	16.24	36.212	26.64		1519.3							
19.1	OBS	00482	15.14	36.012	26.74		1517.0							
19.1	OBS	T00645	13.21	35.732	26.93		1513.1							
19.1	OBS	T00806	09.21	35.180	27.24		1501.0							
19.1	OBS	T01229	04.98											

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TABLE LVIII.–Observed and interpolated oceanographic data for stations taken by USCGC WINNEBAGO at Ocean Station ECHO, 16 December 1972 - 7 January 1973, prepared from NODC listing No. 31-2133.

REFID 31 2133	YEAR 1972	BOTDP 04755	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 24	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 12	SHIP WO	WET BULB 16.5	49 2 X	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 50 N	DAY 21	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 12 W	HOUR 00.3	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG E79 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.3	OBS	00000	19.78	36.330	25.85		1523.1							
00.3	OBS	00023	19.83	36.348	25.85		1523.6							
00.3	OBS	00046	19.82											
00.3	OBS	00069	19.79	36.348	25.86		1524.3							
00.3	OBS	00092	19.79	36.346	25.86		1524.6							
00.3	OBS	00137	18.76	36.474	26.23		1522.7							
00.3	OBS	T00187	18.09	36.442	26.37		1521.5							
00.3	OBS	00277	17.46											
00.3	OBS	T00366	16.78	36.310	26.59		1520.5							
00.3	OBS	00460	15.36	36.052	26.72		1517.4							
00.3	OBS	00549	14.52	35.923	26.81		1516.0							
00.3	OBS	00728		35.405										
00.3	OBS	T00914	07.40	35.091	27.45		1495.8							

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REFID 31 2133	YEAR 1972	BOTDP 03292	AIR TEMP 18.6	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 12	SHIP WO	WET BULB 16.3	25 1 2	WIND-SPD 06	TRACE DIR	5 SQUARE 4
LAT 35 10 N	DAY 22	DATA USE 1	BAROMETR 1029.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 12.3	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E79 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	19.72	36.348	25.88		1522.9							
12.3	OBS	00024	19.62	36.348	25.91		1523.1							
12.3	OBS	00048	19.61	36.351	25.91		1523.4							
12.3	OBS	00072	19.58	36.347	25.92		1523.7							
12.3	OBS	00095	19.51	36.321	25.92		1523.9							
12.3	OBS	00143	19.51	36.331	25.92		1524.7							
12.3	OBS	T00195	17.98	36.438	26.40		1521.4							
12.3	OBS	00290	17.40	36.395	26.50		1521.2							
12.3	OBS	T00384	16.69	36.273	26.58		1520.5							
12.3	OBS	00483	15.13	36.052	26.77		1517.0							
12.3	OBS	T00763	09.92	35.285	27.21		1503.0							

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REFID 31 2133	YEAR 1972	BOTDP 04572	AIR TEMP	DIR HGT PER	WIND-DIR	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 12	SHIP WO	WET BULB		WIND-SPD	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 22	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 05 W	HOUR 18.3	AREA 05	CLOUD T/A	CL/TR	WEATHER	ORIG E79 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	OBS	T02510	03.30	34.976	27.86		1505.4							
18.3	OBS	T03009	02.97	34.937	27.86		1512.6							
18.3	OBS	03514		34.922										
18.3	OBS	T04013	02.30	34.893	27.88		1527.2							

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REFID 31 2133	YEAR 1972	BOTDP 03749	AIR TEMP	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0004	MONTH 12	SHIP WO	WET BULB		WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 59 N	DAY 23	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 58 W	HOUR 12.2	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E79 004	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	19.33	36.282	25.93		1521.8							
12.2	OBS	00028	19.37	36.279	25.92		1522.4							
12.2	OBS	00051	19.41	36.284	25.91		1522.9							
12.2	OBS	00079	19.33	36.275	25.93		1523.1							
12.2	OBS	00102	19.39	36.276	25.91		1523.6							
12.2	OBS	00154	18.83	36.429	26.17		1523.1							
12.2	OBS	00205	18.00	36.444	26.39		1521.6							
12.2	OBS	00306	17.36	36.385	26.51		1521.3							
12.2	OBS	T00405	16.26	36.203	26.63		1519.4							
12.2	OBS	00504	14.32	35.880	26.82		1514.6							
12.2	OBS	T00599	12.71	35.680	27.00		1510.6							
12.2	OBS	T00787	09.34	35.260	27.30		1501.3							
12.2	OBS	T00958	06.34	35.046	27.57		1492.3							
12.2	OBS	T01378	04.40	35.005	27.77		1491.4							

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TABLE LVIII.—Continued

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TABLE LVIII.—Continued

REFID 31 2133	YEAR 1972	BOTDP 04938	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1206
CONSEC 0009	MONTH 12	SHIP WO	WET BULB 14.0	29 5 4	WIND-SPD 17	TRACE DIR	5 SQUARE 2
LAT 34 56 N	DAY 30	DATA USE 1	BAROMETR 1028.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 58 W	HOUR 13.8	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG E79 009	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	19.85	36.343	25.84		1523.3							
13.8	OBS	00020	19.72	36.341	25.88		1523.3							
13.8	OBS	00035	19.70	36.323	25.87		1523.4							
13.8	OBS	00053	19.59	36.317	25.89		1523.4							
13.8	OBS	00067	19.52	36.358	25.94		1523.5							
13.8	OBS	00100	19.53	36.379	25.95		1524.1							
13.8	OBS	T00133	18.81	36.473	26.21		1522.7							
13.8	OBS	00196	17.96	36.435	26.40		1521.3							
13.8	OBS	T00255	17.58	36.393	26.46		1521.1							
13.8	OBS	00317	17.21	36.384	26.54		1521.0							
13.8	OBS	T00502	15.48	36.077	26.71		1518.5							
13.8	OBS	00621	13.61	35.734	26.85		1514.0							
13.8	OBS	T00910	07.66	35.091	27.42		1496.7							

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REFID 31 2133	YEAR 1972	BOTDP 04663	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1206
CONSEC 0010	MONTH 12	SHIP WO	WET BULB 15.6	31 2 X	WIND-SPD 20	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 31	DATA USE 1	BAROMETR 1031.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 09 W	HOUR 17.1	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E79 010	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.1	OBS	00000	19.79	36.355	25.87		1523.1							
17.1	OBS	00022	19.81	36.342	25.85		1523.5							
17.1	OBS	00041	19.80	36.347	25.86		1523.8							
17.1	OBS	00063	19.81											
17.1	OBS	00081	19.81	36.336	25.85		1524.5							
17.1	OBS	00122	19.71	36.435	25.95		1525.0							
17.1	OBS	00163	18.37	36.461	26.32		1522.0							
17.1	OBS	00247	17.66	36.425	26.46		1521.3							
17.1	OBS	00330	17.15											
17.1	OBS	00388	16.40											
17.1	OBS	T00468	15.42											
17.1	OBS	T00624	13.10											
17.1	OBS	00766	10.00											
17.1	OBS	T01123	06.63											

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REFID 31 2133	YEAR 1973	BOTDP 03840	AIR TEMP 15.8	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1206
CONSEC 0011	MONTH 01	SHIP WO	WET BULB 11.6	01 2 2	WIND-SPD 07	TRACE DIR	5 SQUARE 4
LAT 35 07 N	DAY 02	DATA USE 1	BAROMETR 1035.7	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 05 W	HOUR 13.8	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E79 011	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	OBS	00000	19.86	36.430	25.91		1523.4							
13.8	OBS	00025	19.85	36.426	25.91		1523.8							
13.8	OBS	00049	19.80	36.412	25.91		1524.0							
13.8	OBS	00074	19.69	36.391	25.92		1524.1							
13.8	OBS	00098	19.55	36.429	25.99		1524.2							
13.8	OBS	00147	18.50	36.476	26.29		1522.1							
13.8	OBS	T00200	17.71	36.433	26.46		1520.6							
13.8	OBS	00298	17.18	36.391	26.56		1520.7							
13.8	OBS	00395	16.73	36.309	26.60		1520.8							
13.8	OBS	00498	15.18	36.068	26.77		1517.4							
13.8	OBS	T00596	14.17	35.907	26.87		1515.6							
13.8	OBS	00791	10.47	35.402	27.20		1505.6							
13.8	OBS	00991	07.05	35.127	27.53		1495.8							
13.8	OBS	01489	04.43	35.020	27.78		1493.4							

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REFID 31 2133	YEAR 1973	BOTDP 04389	AIR TEMP 12.8	DIR HGT PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 01	SHIP WO	WET BULB 11.1	07 5 X	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 05	DATA USE 1	BAROMETR 1016.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 12.1	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG E79 012	1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	19.42	36.432	26.02		1522.2							
12.1	OBS	00026	19.43	36.436	26.02		1522.7							
12.1	OBS	00047	19.43	36.426	26.02		1523.0							
12.1	OBS	00072	19.37	36.432	26.04		1523.3							
12.1	OBS	00094	19.41	36.430	26.03		1523.7							
12.1	OBS	00139	18.47	36.499	26.32		1521.9							
12.1	OBS	T00186	17.72	36.442	26.46		1520.5							
12.1	OBS	00278	17.29	36.396	26.53		1520.7							
12.1	OBS	00370	16.03	36.260	26.73		1518.2							
12.1	OBS	00469	15.02	36.065	26.81		1516.5							
12.1	OBS	T00565	14.14	35.897	26.87		1515.0							
12.1	OBS	T00763	10.50	35.391	27.19		1505.2							
12.1	OBS	T00965	07.09	35.136	27.53		1495.5							
12.1	OBS	T01553	04.36	35.010	27.78		1494.2							

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TABLE LIX.–Observed and interpolated oceanographic data for stations taken by CAMPBELL at Ocean Station ECHO, 7 January 1973 - 29 January 1973, prepared from NODC listing No. 31 - 2141.

REFID 31 2141	YEAR 1973	BOTDP 04811	AIR TEMP 16.1	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 01	SHIP CM	WET BULB 11.8	32 9 3	WIND-SPD 13	TRACE DIR	5 SQUARE 2
LAT 34 52 N	DAY 15	DATA USE 1	BAROMETR 1027.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 12 W	HOUR 18.2	AREA 05	CLOUD T/A 6/8	CL/TR /48	WEATHER X2	ORIG E80 001	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	18.70	36.406	26.19		1520.2							
18.2	OBS	00030	18.73											
18.2	OBS	00055	18.71											
18.2	OBS	00085	18.66	36.387	26.19		1521.4							
18.2	OBS	00110	18.61	36.378	26.19		1521.7							
18.2	OBS	00164	18.43											
18.2	OBS	T00219	17.74	36.452	26.47		1521.1							
18.2	OBS	00329	17.07	36.371	26.57		1520.8							
18.2	OBS	T00439	16.12	36.207	26.67		1519.6							
18.2	OBS	00548	14.62	35.989	26.83		1516.4							
18.2	OBS	T00658	12.92	35.722	26.99		1512.3							
18.2	OBS	00982	07.75	35.239	27.52		1498.5							
18.2	OBS	T01102	06.33	35.165	27.66		1496.8							
18.2	OBS	01651	04.47	35.066	27.81		1496.3							

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REFID 31 2141	YEAR 1973	BOTDP 04413	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 01	SHIP CM	WET BULB 16.0	36 4 4	WIND-SPD 16	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 16	DATA USE 1	BAROMETR 1026.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 58 W	HOUR 12.0	AREA 05	CLOUD T/A 4/7	CL/TR	WEATHER X1	ORIG E80 002	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.52	36.359	26.20		1519.6							
12.0	OBS	00023	18.54	36.357	26.19		1520.0							
12.0	OBS	00041	18.55	36.353	26.19		1520.4							
12.0	OBS	00063	18.53	36.352	26.19		1520.7							
12.0	OBS	00082	18.53											
12.0	OBS	00123	18.56	36.357	26.19		1521.7							
12.0	OBS	T00164	18.59	36.359	26.18		1522.5							
12.0	OBS	00246	17.64	36.418	26.46		1521.2							
12.0	OBS	T00328	17.12	36.376	26.56		1520.9							
12.0	OBS	00411	16.33	36.250	26.65		1519.8							
12.0	OBS	T00499	15.29	36.050	26.73		1517.8							
12.0	OBS	T00878	08.53	35.271	27.42		1499.7							

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REFID 31 2141	YEAR 1973	BOTDP 03718	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 26	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 01	SHIP CM	WET BULB 13.9	27 5 5	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 35 05 N	DAY 18	DATA USE 1	BAROMETR 1028.4	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 14.8	AREA 05	CLOUD T/A 3/2	CL/TR /14	WEATHER X1	ORIG E80 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.8	OBS	00000	18.50	36.342	26.19		1519.5							
14.8	OBS	00025	18.52	36.340	26.18		1520.0							
14.8	OBS	00045	18.55	36.343	26.18		1520.4							
14.8	OBS	00068	18.51											
14.8	OBS	00099	18.52	36.341	26.19		1521.2							
14.8	OBS	00133	18.54	36.351	26.19		1521.8							
14.8	OBS	T00176	18.57	36.376	26.20		1522.7							
14.8	OBS	00264	17.68	36.430	26.46		1521.6							
14.8	OBS	00350	17.38	36.416	26.53		1522.1							
14.8	OBS	00440	16.14	36.215	26.67		1519.6							
14.8	OBS	T00519	15.06	36.014	26.76		1517.3							
14.8	OBS	T00691	11.65	35.483	27.05		1508.2							
14.8	OBS	T00853	09.03	35.284	27.36		1501.2							
14.8	OBS	T01250	04.72	35.022	27.75		1490.6							

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REFID 31 2141	YEAR 1973	BOTDP 04622	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1206
CONSEC 0004	MONTH 01	SHIP CM	WET BULB 15.7	03 3 4	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 59 N	DAY 19	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 01.6	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E80 004	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.6	OBS	T02014	03.92	35.004	27.82		1499.7							
01.6	OBS	T02514	03.37	34.971	27.85		1505.9							
01.6	OBS	T03010	02.88											
01.6	OBS	03513	02.49	34.922	27.89		1519.4							

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TABLE LIX.—Continued

REFID 31 2141	YEAR 1973	BOTDP 04726	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 24	INST NANSEN CAST	TEN SQ 1206
CONSEC 0005	MONTH 01	SHIP CM	WET BULB 14.9	00 0 X	WIND-SPD 05	TRACE DIR	5 SQUARE 2
LAT 34 56 N	DAY 19	DATA USE 1	BAROMETR 1029.8	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 43 W	HOUR 13.3	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E80 005	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	18.86	36.390	26.14		1520.6							
13.3	OBS	00025	18.83											
13.3	OBS	00045	18.75											
13.3	OBS	00070	18.71											
13.3	OBS	00091	18.66											
13.3	OBS	00137	18.56											
13.3	OBS	T00182	18.53											
13.3	OBS	00273	17.58	36.424	26.48		1521.5							
13.3	OBS	T00363	16.94	36.349	26.58		1521.0							
13.3	OBS	00455	16.02	36.205	26.69		1519.5							
13.3	OBS	T00546	14.70	35.983	26.81		1516.6							

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REFID 31 2141	YEAR 1973	BOTDP 03567	AIR TEMP 18.1	DIR HGT PER	WIND-DIR 17	INST NANSEN CAST	TEN SQ 1206
CONSEC 0006	MONTH 01	SHIP CM	WET BULB 15.3	49 3 X	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 06 N	DAY 20	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 58 W	HOUR 14.1	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG E80 006	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.1	OBS	00000	18.84	36.410	26.16		1520.6							
14.1	OBS	00029	18.78	36.374	26.14		1520.8							
14.1	OBS	00053	18.63	36.366	26.18		1520.8							
14.1	OBS	00081	18.52	36.333	26.18		[illegible]							
14.1	OBS	00105	18.51	36.334	26.18		[illegible]							
14.1	OBS	00157	18.40	36.408	26.27		1521.9							
14.1	OBS	T00210	17.73	36.417	26.44		1520.9							
14.1	OBS	00314	17.42	36.433	26.53		1521.7							
14.1	OBS	T00419	16.54	36.267	26.61		1520.6							
14.1	OBS	00524	14.90	35.977	26.76		1516.9							
14.1	OBS	T00629	13.07	35.681	26.92		1512.3							
14.1	OBS	T00939	07.19	35.105	27.50		1495.4							

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REFID 31 2141	YEAR 1973	BOTDP 04800	AIR TEMP 16.5	DIR HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1206
CONSEC 0007	MONTH 01	SHIP CM	WET BULB 13.1	30 5 4	WIND-SPD 24	TRACE DIR	5 SQUARE 2
LAT 34 51 N	DAY 23	DATA USE 1	BAROMETR 1030.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 12.3	AREA 05	CLOUD T/A 3/5	CL/TR	WEATHER X1	ORIG E80 007	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.61	36.370	26.18		1519.9							
12.3	OBS	00030	18.63	36.372	26.18		1520.4							
12.3	OBS	00056	18.64											
12.3	OBS	00087	18.63	36.364	26.18		1521.4							
12.3	OBS	00113	18.62	36.368	26.18		1521.8							
12.3	OBS	00170	18.15	36.430	26.35		1521.4							
12.3	OBS	T00227	17.62	36.412	26.46		1520.8							
12.3	OBS	00340	17.03	36.364	26.57		1520.9							
12.3	OBS	00453	16.50	36.267	26.62		1521.0							
12.3	OBS	00570	14.42	35.956	26.85		1516.1							
12.3	OBS	00702	12.84	35.693	26.98		1512.7							
12.3	OBS	T00914	07.91	35.133	27.41		1497.8							
12.3	OBS	T01144	05.99	35.149	27.69		1494.1							
12.3	OBS	T01751	04.09	35.006	27.80		1496.4							

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TABLE LX.–Observed and interpolated oceanographic data for stations taken by USCGC PONTCHARTRAIN at Ocean Station ECHO, 29 January 1973 - 23 February 1973, prepared from NODC listing No. 31 - 2161.

REFID 31 2161 YEAR 1973 BOTDP 04755 AIR TEMP 18.3 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 02 SHIP PW WET BULB 16.1 14 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 34 53 N DAY 04 DATA USE 1 BAROMETR 1034.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 34 W HOUR 13.7 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E81 001 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	19.00	36.496	26.18		1521.1							
13.7	OBS	00023	18.97	36.496	26.19		1521.4							
13.7	OBS	00043	19.00	36.494	26.18		1521.8							
13.7	OBS	00065	18.99	36.487	26.18		1522.2							
13.7	OBS	00085	19.00	36.491	26.18		1522.5							
13.7	OBS	00127	18.90	36.473	26.19		1522.9							
13.7	OBS	T00170	18.30	36.431	26.31		1521.9							
13.7	OBS	00255	17.51	36.408	26.49		1520.9							
13.7	OBS	T00340	17.03	36.349	26.56		1520.8							
13.7	OBS	00426	16.29	36.232	26.64		1519.9							
13.7	OBS	00512	15.29	36.064	26.74		1518.0							
13.7	OBS	T00691	12.85	35.694	26.98		1512.6							
13.7	OBS	T00870	08.79	35.202	27.33		1500.5							
13.7	OBS	T01353	04.64	35.012	27.75		1492.0							

REFID 31 2161 YEAR 1973 BOTDP 04297 AIR TEMP 19.0 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 02 SHIP PW WET BULB 16.7 11 1 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 05 DATA USE 1 BAROMETR 1032.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 13.5 AREA 05 CLOUD T/A 0/2 CL/TR /26 WEATHER X1 ORIG E81 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	18.49	36.440	26.27		1519.6							
13.5	OBS	00032	18.51	36.447	26.27		1520.2							
13.5	OBS	00060	18.54	36.441	26.26		1520.7							
13.5	OBS	00092	18.53	36.439	26.26		1521.2							
13.5	OBS	00119	18.53	36.438	26.26		1521.7							
13.5	OBS	00179	18.15	36.385	26.31		1521.5							
13.5	OBS	T00238	17.93	36.438	26.41		1521.9							
13.5	OBS	00357	17.07	36.348	26.55		1521.2							
13.5	OBS	T00476	15.48	36.077	26.71		1518.0							
13.5	OBS	00600	14.19	35.885	26.85		1515.7							
13.5	OBS	T00718	12.17	35.608	27.05		1510.6							
13.5	OBS	T00956	07.49	35.222	27.54		1497.0							
13.5	OBS	T01197	05.52	35.105	27.72		1493.1							
13.5	OBS	T01813	03.91	35.012	27.83		1496.7							

REFID 31 2161 YEAR 1973 BOTDP 05561 AIR TEMP 18.9 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 02 SHIP PW WET BULB 16.7 11 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 40 N DAY 06 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 13.3 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG E81 003 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	18.69	36.474	26.24		1520.2							
13.3	OBS	00025	18.71	36.492	26.25		1520.7							
13.3	OBS	00046	18.55	36.465	26.27		1520.6							
13.3	OBS	00071	18.51	36.466	26.28		1520.9							
13.3	OBS	00092	18.46	36.462	26.29		1521.1							
13.3	OBS	00139	18.18	36.410	26.32		1521.0							
13.3	OBS	T00185	18.15	36.410	26.33		1521.6							
13.3	OBS	00279	17.62	36.427	26.48		1521.7							
13.3	OBS	T00373	16.88	36.324	26.58		1520.9							
13.3	OBS	00469	15.91	36.153	26.67		1519.3							
13.3	OBS	00565	14.62	35.943	26.80		1516.6							
13.3	OBS	T00763	11.49	35.515	27.10		1508.9							
13.3	OBS	T00963	07.56	35.128	27.46		1497.3							
13.3	OBS	T01482	04.81	35.083	27.78		1494.9							

TABLE LX.—Continued

REFID 31 2161 YEAR 1973 BOTDP 05911 AIR TEMP 18.3 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 02 SHIP PM WET BULB 16.1 17 2 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 48 N DAY 07 DATA USE 1 BAROMETR 1023.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 13.0 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X1 ORIG E81 004 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	18.94	36.438	26.15		1520.9							
13.0	OBS	00024	18.90	36.437	26.16		1521.2							
13.0	OBS	00043	18.92	36.436	26.16		1521.5							
13.0	OBS	00067	18.92	36.443	26.16		1521.9							
13.0	OBS	00086	18.86	36.466	26.19		1522.1							
13.0	OBS	00128	18.35	36.464	26.32		1521.4							
13.0	OBS	T00170	17.93	36.444	26.41		1520.8							
13.0	OBS	00252	17.57	36.435	26.49		1521.1							
13.0	OBS	T00334	17.08	36.361	26.56		1520.9							
13.0	OBS	00416	16.36	36.231	26.63		1519.9							
13.0	OBS	00497	15.02	36.094	26.83		1517.0							
13.0	OBS	T00665	12.89	35.676	26.96		1512.3							
13.0	OBS	T00833	09.54	35.244	27.24		1502.7							
13.0	OBS	T01279	05.22	35.086	27.74		1493.2							

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REFID 31 2161 YEAR 1973 BOTDP 04243 AIR TEMP 19.4 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 02 SHIP PM WET BULB 18.3 18 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 09 DATA USE 1 BAROMETR 1016.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 14.6 AREA 05 CLOUD T/A 0/4 CL/TR /20 WEATHER X1 ORIG E81 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.6	OBS	00000	18.84	36.470	26.20		1520.6							
14.6	OBS	00026	18.78	36.476	26.22		1520.9							
14.6	OBS	00047	18.68	36.471	26.24		1521.0							
14.6	OBS	00074	18.15	36.395	26.32		1519.8							
14.6	OBS	00096	18.14	36.391	26.32		1520.1							
14.6	OBS	00143	18.15	36.390	26.32		1520.9							
14.6	OBS	T00191	18.15	36.389	26.32		1521.7							
14.6	OBS	00284	17.62	36.420	26.47		1521.8							
14.6	OBS	T00375	17.06	36.361	26.56		1521.5							
14.6	OBS	00460	15.86	36.145	26.68		1519.0							
14.6	OBS	00543	14.57	35.937	26.81		1516.1							
14.6	OBS	00861	08.14	35.147	27.39		1497.8							
14.6	OBS	T01278	04.87	35.021	27.73		1491.7							

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REFID 31 2161 YEAR 1973 BOTDP 04389 AIR TEMP 20.0 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 02 SHIP PM WET BULB 18.3 16 2 X WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 10 DATA USE 1 BAROMETR 1021.6 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 14 W HOUR 13.0 AREA 05 CLOUD T/A 2/2 CL/TR WEATHER X1 ORIG E81 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	18.74	36.487	26.24		1520.4							
13.0	OBS	00029	18.79	36.485	26.23		1521.0							
13.0	OBS	00054	18.46											
13.0	OBS	00083	18.10	36.432	26.36		1519.9							
13.0	OBS	00108	18.12	36.419	26.35		1520.3							
13.0	OBS	00162	18.06	36.429	26.37		1521.0							
13.0	OBS	T00216	17.56	36.429	26.49		1520.5							
13.0	OBS	00324	17.12											
13.0	OBS	T00433	15.89	36.185	26.70		1518.7							
13.0	OBS	00542	14.30	35.896	26.83		1515.2							
13.0	OBS	T00650	12.52	35.646	27.01		1510.7							
13.0	OBS	T00873	07.71	35.135	27.44		1496.4							
13.0	OBS	01091	05.73	35.114	27.70		1492.2							
13.0	OBS	01636	04.30	35.066	27.83		1495.4							

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REFID 31 2161 YEAR 1973 BOTDP 04023 AIR TEMP 19.4 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 02 SHIP PM WET BULB 18.3 10 5 2 WIND-SPD 25 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 13.4 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X1 ORIG E81 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	18.88	36.500	26.22		1520.8							
13.4	OBS	00026	18.88	36.502	26.22		1521.2							
13.4	OBS	00048	18.77	36.485	26.23		1521.3							
13.4	OBS	00074	18.22	36.423	26.32		1520.0							
13.4	OBS	00096	18.13	36.399	26.33		1520.1							
13.4	OBS	00143	18.06	36.394	26.34		1520.7							
13.4	OBS	T00190	18.06	36.415	26.36		1521.5							
13.4	OBS	00288	17.42	36.403	26.51		1521.2							
13.4	OBS	T00386	16.86	36.332	26.59		1521.1							
13.4	OBS	00493	15.29	36.049	26.73		1517.7							
13.4	OBS	00598	12.04	35.560	27.03		1508.1							
13.4	OBS	T00814	09.00	35.201	27.29		1500.4							
13.4	OBS	01039	06.27	35.097	27.61		1493.4							
13.4	OBS	T01624	04.03	34.996	27.80		1494.0							

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TABLE LX.—Continued

REFID 31 2161 YEAR 1973 BOTDP 04389 AIR TEMP 20.0 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 02 SHIP PW WET BULB 17.8 15 6 2 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 34 56 N DAY 12 DATA USE 1 BAROMETR 1034.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 14.8 AREA 05 CLOUD T/A 3/4 CL/TR /19 WEATHER X1 ORIG E81 008 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.8	OBS	00000	18.95	36.492	26.19		1521.0							
14.8	OBS	00025	18.93	36.492	26.20		1521.3							
14.8	OBS	00046	18.97	36.497	26.19		1521.8							
14.8	OBS	00071	18.95	36.508	26.20		1522.2							
14.8	OBS	00093	18.81	36.499	26.23		1522.1							
14.8	OBS	00141	18.04	36.375	26.33		1520.6							

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REFID 31 2161 YEAR 1973 BOTDP 04732 AIR TEMP 18.9 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 02 SHIP PW WET BULB 16.1 34 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1019.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 18.8 AREA 05 CLOUD T/A 2/2 CL/TR /18 WEATHER X1 ORIG E81 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.8	OBS	00000	18.76	36.491	26.24		1520.4							
18.8	OBS	00032	18.76	36.500	26.25		1521.0							
18.8	OBS	00060	18.80	36.489	26.23		1521.5							
18.8	OBS	00091	18.77	36.486	26.23		1522.0							
18.8	OBS	00119	18.32	36.437	26.31		1521.1							
18.8	OBS	00174	17.90	36.449	26.42		1520.9							
18.8	OBS	T00237	17.53	36.425	26.50		1520.7							
18.8	OBS	00356	16.91	36.349	26.59		1520.8							
18.8	OBS	T00475	15.66	36.135	26.72		1518.6							
18.8	OBS	00598	14.34	35.917	26.84		1516.2							
18.8	OBS	00716	12.36	35.631	27.03		1511.3							
18.8	OBS	T01189	06.28	35.182	27.66		1496.1							
18.8	OBS	T01788	04.30	35.047	27.81		1497.9							

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REFID 31 2161 YEAR 1973 BOTDP 04389 AIR TEMP 17.8 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 02 SHIP PW WET BULB 15.6 36 1 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 16 DATA USE 1 BAROMETR 1021.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.7 AREA 05 CLOUD T/A 5/4 CL/TR WEATHER X1 ORIG E81 010 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	18.76	36.480	26.23		1520.4							
12.7	OBS	00029	18.69	36.483	26.25		1520.7							
12.7	OBS	00083	18.69	36.504	26.27		1521.6							
12.7	OBS	00162	18.42	36.464	26.30		1522.1							
12.7	OBS	T00216	17.75	36.447	26.46		1521.0							
12.7	OBS	00324	17.23	36.393	26.54		1521.2							
12.7	OBS	T00432	16.11	36.202	26.66		1519.4							
12.7	OBS	00540	14.79	35.992	26.80		1516.8							
12.7	OBS	00648	13.62	35.823	26.92		1514.6							
12.7	OBS	00869	09.37	35.278	27.29		1502.7							
12.7	OBS	01085	06.28	35.083	27.60		1494.2							
12.7	OBS	T01625	04.64											

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REFID 31 2161 YEAR 1973 BOTDP 05121 AIR TEMP 17.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 02 SHIP PW WET BULB 15.6 14 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 17 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 12.7 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X1 ORIG E81 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	18.89	36.537	26.24		1520.9							
12.7	OBS	00026	18.88	36.516	26.23		1521.2							
12.7	OBS	00047	18.87	36.533	26.24		1521.6							
12.7	OBS	00073	18.88	36.526	26.24		1522.0							
12.7	OBS	00094	18.88	36.516	26.23		1522.4							
12.7	OBS	00141	18.32	36.430	26.30		1521.4							

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TABLE LX.—Continued

REFID 31 2161 YEAR 1973 BOTDP 04445 AIR TEMP 20.6 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 02 SHIP PW WET BULB 11.7 27 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 20 DATA USE 1 BAROMETR 1025.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 049 17 W HOUR 12.7 AREA 05 CLOUD T/A 5/7 CL/TR /21 WEATHER X1 ORIG E81 012 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	17.34	36.305	26.45		1516.1							
12.7	OBS	00025	17.25	36.286	26.46		1516.3							
12.7	OBS	00050	17.30	36.297	26.45		1516.8							
12.7	OBS	00075	17.29	36.301	26.46		1517.2							
12.7	OBS	00100	17.31	36.293	26.45		1517.7							
12.7	OBS	00151	17.18	36.291	26.48		1518.1							
12.7	OBS	T00206	16.76	36.252	26.55		1517.7							
12.7	OBS	00306	14.82	35.927	26.74		1513.0							
12.7	OBS	T00407	13.84	35.807	26.86		1511.3							
12.7	OBS	00512	11.95	35.554	27.05		1506.4							
12.7	OBS	T00613	10.36	35.363	27.19		1502.2							
12.7	OBS	T00814	06.83	35.070	27.52		1491.9							
12.7	OBS	T01020	05.12	35.029	27.71		1488.4							
12.7	OBS	01532	04.15	34.994	27.79		1492.9							

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REFID 31 2161 YEAR 1973 BOTDP 04993 AIR TEMP 20.5 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 02 SHIP PW WET BULB 17.9 16 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 30 N DAY 21 DATA USE 1 BAROMETR 1016.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 22 W HOUR 13.2 AREA 05 CLOUD T/A 5/7 CL/TR WEATHER X1 ORIG E81 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	17.34	36.266	26.42		1516.1							
13.2	OBS	00024	17.35	36.271	26.42		1516.5							
13.2	OBS	00044	17.36	36.266	26.42		1516.9							
13.2	OBS	00068	17.38	36.274	26.42		1517.3							
13.2	OBS	00088	17.41	36.272	26.41		1517.7							
13.2	OBS	00131	17.35	36.284	26.43		1518.3							
13.2	OBS	T00175	17.24	36.274	26.45		1518.7							

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REFID 31 2161 YEAR 1973 BOTDP 05225 AIR TEMP 18.9 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1209
CONSEC 0014 MONTH 02 SHIP PW WET BULB 18.9 20 2 2 WIND-SPD 20 TRACE DIR 5 SQUARE 1
LAT 31 55 N DAY 27 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 2 SQUARE 00
LONG 070 05 W HOUR 15.8 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X5 ORIG EEN 01E 1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.8	OBS	00000	19.48	36.412	25.99		1522.4							
15.8	OBS	00024	19.45	36.401	25.99		1522.7							
15.8	OBS	00045	19.46	36.398	25.99		1523.0							
15.8	OBS	00068	19.46	36.418	26.00		1523.4							
15.8	OBS	00088	19.43	36.436	26.02		1523.7							
15.8	OBS	00131	19.39	36.400	26.01		1524.2							
15.8	OBS	T00176	19.28	36.410	26.04		1524.7							
15.8	OBS	00269	18.63	36.452	26.24		1524.4							
15.8	OBS	00366	17.79	36.438	26.44		1523.6							
15.8	OBS	00471	17.15	36.375	26.55		1523.4							
15.8	OBS	T00575	15.85	36.076	26.63		1520.8							
15.8	OBS	00795	11.81	35.522	27.05		1510.5							
15.8	OBS	T01027	07.00	35.088	27.51		1496.1							
15.8	OBS	T01653	04.23	35.001	27.78		1495.3							

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REFID 31 2161 YEAR 1973 BOTDP 05225 AIR TEMP 21.1 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1209
CONSEC 0015 MONTH 02 SHIP PW WET BULB 20.6 17 2 2 WIND-SPD 17 TRACE DIR 5 SQUARE 1
LAT 32 18 N DAY 27 DATA USE 1 BAROMETR 1013.3 SEA WIND-FOR DURATION 2 SQUARE 20
LONG 070 35 W HOUR 20.3 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG EEN 02E 1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.3	OBS	00000	19.69	36.394	25.92		1522.9							
20.3	OBS	00030	19.56	36.402	25.96		1523.1							
20.3	OBS	00055	19.40	36.399	26.00		1523.0							
20.3	OBS	00085	19.39	36.406	26.01		1523.5							
20.3	OBS	00111	19.39	36.416	26.02		1523.9							
20.3	OBS	00166	19.05	36.416	26.11		1523.9							
20.3	OBS	T00220	18.83	36.482	26.21		1524.2							
20.3	OBS	00325	17.79	36.457	26.46		1523.0							
20.3	OBS	00424		36.391										
20.3	OBS	00524	16.37	36.456	26.64		1521.8							
20.3	OBS	T00619	14.40	35.923	26.83		1516.8							
20.3	OBS	00807		35.206										
20.3	OBS	00988	06.74	35.082	27.54		1494.4							
20.3	OBS	T01397	04.11	35.007	27.80		1490.5							

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TABLE LXI.—Observed and interpolated oceanographic data for stations taken by USCGC MENDOTA at Ocean Station ECHO, 23 February 1973 - 18 March 1973, prepared from NODC listing No. 31 - 2162.

REFID 31 2162 YEAR 1973 BOTDP 04737 AIR TEMP 19.3 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 02 SHIP ME WET BULB 18.7 25 3 3 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 24 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 51 W HOUR 12.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E82 001 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	18.83	36.454	26.19		1520.6							
12.5	OBS	00024	18.75	36.467	26.22		1520.8							
12.5	OBS	00045	18.77	36.475	26.22		1521.2							
12.5	OBS	00070	18.73	36.476	26.24		1521.5							
12.5	OBS	00090	18.57	36.461	26.26		1521.4							
12.5	OBS	00135	18.03	36.394	26.35		1520.5							
12.5	OBS	00180		36.386										
12.5	OBS	00270	17.59	36.420	26.48		1521.4							
12.5	OBS	00360	16.91	36.335	26.58		1520.8							
12.5	OBS	00449	15.98	36.194	26.69		1519.3							
12.5	OBS	T00539	15.00	36.020	26.78		1517.5							
12.5	OBS	T00723	11.62	35.535	27.10		1508.7							
12.5	OBS	00902	08.49	35.341	27.49		1500.1							
12.5	OBS	T01351	05.07	35.080	27.75		1493.8							

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REFID 31 2162 YEAR 1973 BOTDP 04307 AIR TEMP 18.8 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 02 SHIP ME WET BULB 17.8 23 5 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 21 N DAY 25 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 41 W HOUR 12.4 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X5 ORIG E82 002 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	18.60	36.412	26.22		1519.9							
12.4	OBS	00029	18.69											
12.4	OBS	00053	18.55	36.421	26.24		1520.6							
12.4	OBS	00082	18.31											
12.4	OBS	00105	18.15	36.385	26.31		1520.3							
12.4	OBS	00158	18.01	36.377	26.34		1520.8							
12.4	OBS	T00209	17.76	36.393	26.42		1520.9							
12.4	OBS	00312	17.20	36.355	26.52		1520.9							
12.4	OBS	T00414	16.24	36.224	26.65		1519.5							
12.4	OBS	00519	15.00	36.008	26.77		1517.1							
12.4	OBS	T00614	13.75	35.836	26.90		1514.5							
12.4	OBS	T00741	11.20	35.462	27.12		1507.4							
12.4	OBS	T00961	06.87	35.107	27.54		1494.5							
12.4	OBS	T01340	04.69	35.051	27.77		1492.0							

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REFID 31 2162 YEAR 1973 BOTDP 04784 AIR TEMP 17.4 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 02 SHIP ME WET BULB 13.9 30 5 4 WIND-SPD 15 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 26 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 25 W HOUR 12.5 AREA 05 CLOUD T/A 8/7 CL/TR /14 WEATHER X1 ORIG E82 003 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	18.72	36.391	26.17		1520.2							
12.5	OBS	00031	18.71	36.401	26.18		1520.7							
12.5	OBS	00057	18.71	36.403	26.18		1521.1							
12.5	OBS	00088	18.80	36.476	26.22		1522.0							
12.5	OBS	00115	18.80	36.460	26.21		1522.4							
12.5	OBS	00172	18.27	36.418	26.31		1521.8							
12.5	OBS	T00230	17.86	36.459	26.44		1521.6							
12.5	OBS	00344	17.10	36.374	26.56		1521.1							
12.5	OBS	00460	15.69	36.126	26.70		1518.5							
12.5	OBS	00581	14.28	35.919	26.85		1515.8							
12.5	OBS	T00699	12.31	35.617	27.03		1510.8							
12.5	OBS	T00939	08.33	35.244	27.43		1500.0							
12.5	OBS	01184	06.22	35.194	27.70		1495.8							
12.5	OBS	T01813	04.30	35.051	27.82		1498.4							

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TABLE LXI.—Continued

REFID 31 2162 YEAR 1973 BOTDP 04856 AIR TEMP 16.7 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 02 SHIP ME WET BULB 13.0 33 5 3 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 27 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.8 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E82 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	18.90	36.483	26.20		1520.8							
12.8	OBS	00025	18.85	36.484	26.21		1521.1							
12.8	OBS	00049	18.85	36.479	26.21		1521.5							
12.8	OBS	00074	18.60	36.457	26.25		1521.2							
12.8	OBS	00099	18.52	36.435	26.26		1521.3							
12.8	OBS	00148	18.03	36.410	26.36		1520.7							
12.8	OBS	T00202	17.70	36.423	26.45		1520.6							
12.8	OBS	00301	17.20	36.393	26.55		1520.8							
12.8	OBS	T00400	16.22	36.218	26.65		1519.2							
12.8	OBS	00504	15.05	36.019	26.76		1517.1							
12.8	OBS	T00603	13.64	35.806	26.90		1513.9							
12.8	OBS	T00801	09.86	35.294	27.22		1503.4							
12.8	OBS	T01005	07.02	35.164	27.57		1495.9							
12.8	OBS	T01510	04.59	35.052	27.78		1494.4							

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REFID 31 2162 YEAR 1973 BOTDP 04801 AIR TEMP 16.1 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 03 SHIP ME WET BULB 15.2 31 5 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 34 51 N DAY 02 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 08 W HOUR 12.5 AREA 05 CLOUD T/A 5/8 CL/TR /12 WEATHER X6 ORIG E82 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	18.67	36.481	26.25		1520.2							
12.5	OBS	00028	18.69	36.491	26.26		1520.7							
12.5	OBS	00052	18.67	36.505	26.27		1521.1							
12.5	OBS	00080	18.07	36.385	26.33		1519.7							
12.5	OBS	00105	18.01	36.383	26.35		1519.9							
12.5	OBS	00158	17.97	36.409	26.38		1520.7							
12.5	OBS	00212	17.78	36.389	26.41		1521.0							
12.5	OBS	00322	17.31	36.390	26.52		1521.4							
12.5	OBS	T00432	16.50	36.271	26.63		1520.7							
12.5	OBS	00546	14.40	35.901	26.81		1515.5							
12.5	OBS	T00658	12.57	35.650	27.00		1511.0							
12.5	OBS	T00881	08.20	35.259	27.47		1498.5							
12.5	OBS	T01106	05.77	35.110	27.69		1492.6							
12.5	OBS	T01688	04.30	35.046	27.81		1496.2							

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REFID 31 2162 YEAR 1973 BOTDP 04883 AIR TEMP 15.9 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 03 SHIP ME WET BULB 10.4 05 4 4 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 52 N DAY 06 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 11.9 AREA 05 CLOUD T/A 6/3 CL/TR WEATHER X1 ORIG E82 006 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.43	36.501	26.33		1519.5							
11.9	OBS	00025	18.47											
11.9	OBS	00045	18.46	36.500	26.32		1520.3							
11.9	OBS	00070	18.40	36.492	26.33		1520.6							
11.9	OBS	00091	18.26	36.490	26.36		1520.5							
11.9	OBS	00137	18.05	36.407	26.35		1520.0							
11.9	OBS	00182	17.57	36.400	26.47		1519.9							
11.9	OBS	00273	17.62	36.437	26.48		1521.6							
11.9	OBS	T00363	17.22	36.397	26.55		1521.8							
11.9	OBS	00454		36.265										
11.9	OBS	00544	14.92	36.014	26.79		1517.3							
11.9	OBS	T00729	11.59	35.509	27.08		1508.7							
11.9	OBS	T00916	08.05	35.196	27.44		1498.5							
11.9	OBS	T01420	04.67	35.039	27.77		1493.2							

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REFID 31 2162 YEAR 1973 BOTDP 03735 AIR TEMP 13.0 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 03 SHIP ME WET BULB 08.2 03 3 3 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 08 DATA USE 1 BAROMETR 1034.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A 6/6 CL/TR /12 WEATHER X1 ORIG E82 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.26	36.453	26.34		1519.0							
12.2	OBS	00030	18.28	36.451	26.33		1519.5							
12.2	OBS	00055	18.28	36.447	26.33		1519.9							
12.2	OBS	00084	18.13	36.429	26.35		1520.0							
12.2	OBS	00109	17.94	36.403	26.37		1519.9							
12.2	OBS	00163	17.83	36.425	26.42		1520.4							
12.2	OBS	T00218	17.65	36.439	26.48		1520.8							
12.2	OBS	00327	17.12	36.397	26.57		1521.0							
12.2	OBS	T00435	16.02	36.195	26.68		1519.2							
12.2	OBS	00544		35.902										
12.2	OBS	T00653	12.48	35.651	27.02		1510.7							
12.2	OBS	T00876	07.68	35.131	27.44		1496.3							
12.2	OBS	T01093	05.57	35.092	27.70		1491.5							
12.2	OBS	T01638	04.36	35.009	27.78		1495.6							

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TABLE LXI.—Continued

REFID 31 2162 YEAR 1973 BOTDP 04470 AIR TEMP 15.5 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 03 SHIP ME WET BULB 10.2 02 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 45 N DAY 09 DATA USE 1 BAROMETR 1032.6 SEA WIND-FOR DURATION 2 SQUARE 49
LONG 048 05 W HOUR 13.1 AREA 05 CLOUD T/A 3/2 CL/TR WEATHER X1 ORIG E82 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	18.63	36.538	26.31		1520.1							
13.1	OBS	00026	18.64	36.531	26.30		1520.0							
13.1	OBS	00047	18.65	36.540	26.30		1521.0							
13.1	OBS	00072	18.64	36.544	26.31		1521.4							
13.1	OBS	00094	18.63	36.537	26.31		1521.7							
13.1	OBS	00140	18.63	36.537	26.31		1522.4							
13.1	OBS	00187	17.83	36.434	26.43		1520.8							
13.1	OBS	00281	17.32	36.378	26.51		1520.8							
13.1	OBS	T00374	16.97	36.361	26.58		1521.2							
13.1	OBS	00468	16.05	36.152	26.64		1519.8							
13.1	OBS	T00561	14.45	35.966	26.85		1516.0							
13.1	OBS	T00752	10.67	35.381	27.15		1505.6							
13.1	OBS	T00940	07.29	35.108	27.48		1495.8							
16.2	OBS	T02069	03.83	34.994	27.62		1500.7							
16.2	OBS	T02605	03.26	34.969	27.86		1507.4							
16.2	OBS	T03139	02.78	34.942	27.88		1514.5							
16.2	OBS	T03678	02.46	34.915	27.89		1522.5							
16.2	OBS	04223	02.29	34.897	27.89		1531.4							

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REFID 31 2162 YEAR 1973 BOTDP 04850 AIR TEMP 15.8 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 03 SHIP ME WET BULB 11.8 30 4 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 01 N DAY 10 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.3 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E82 009 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.28	36.446	26.33		1519.0							
12.3	OBS	00016	18.30	36.450	26.32		1519.4							
12.3	OBS	00029	18.26	36.441	26.33		1519.4							
12.3	OBS	00043	18.27	36.447	26.33		1519.7							
12.3	OBS	00055	18.30	36.446	26.32		1520.0							
12.3	OBS	00081	18.26	36.442	26.33		1520.3							
12.3	OBS	00110		36.444										
12.3	OBS	00165	18.24	36.446	26.34		1521.6							
12.3	OBS	T00219	17.81	36.445	26.44		1521.3							
12.3	OBS	00276	17.50	36.413	26.49		1521.3							
12.3	OBS	T00338	17.11	36.385	26.57		1521.1							
12.3	OBS	00464		36.172										
12.3	OBS	00584		35.960										
12.3	OBS	T00887	08.30	35.174	27.38		1498.9							

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REFID 31 2162 YEAR 1973 BOTDP 04343 AIR TEMP 15.2 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 03 SHIP ME WET BULB 13.9 36 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 12.4 AREA 05 CLOUD T/A 7/6 CL/TR WEATHER X2 ORIG E82 010 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	18.51	36.518	26.32		1519.8							
12.4	OBS	00028	18.52	36.513	26.32		1520.3							
12.4	OBS	00052	18.46											
12.4	OBS	00080	18.46	36.519	26.34		1520.9							
12.4	OBS	00104	18.49	36.513	26.32		1521.4							
12.4	OBS	00156	18.30	36.461	26.33		1521.7							
12.4	OBS	T00208	17.86	36.461	26.44		1521.3							
12.4	OBS	00313	17.21	36.395	26.55		1521.0							
12.4	OBS	T00417	16.39	36.271	26.65		1520.1							
12.4	OBS	00521	14.43	35.922	26.82		1515.3							
12.4	OBS	T00626	12.72	35.691	27.00		1511.1							
12.4	OBS	T00840	08.70	35.176	27.32		1499.6							
12.4	OBS	T01050	05.94	35.097	27.66		1492.3							
12.4	OBS	T01587	04.54	35.089	27.82		1495.6							

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TABLE LXI.—Continued

REFID 31 2162 YEAR 1973 BOTOP 04620 AIR TEMP 13.2 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 03 SHIP ME WET BULB 09.5 36 5 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 12 DATA USE 1 BAROMETR 1020.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 15 W HOUR 12.2 AREA 05 CLOUD T/A 6/6 CL/TR /16 WEATHER X1 ORIG E82 011 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.22	36.476	26.36		1518.9							
12.2	OBS	00020	18.25	36.476	26.36		1519.3							
12.2	OBS	00037		36.474										
12.2	OBS	00056	18.25	36.480	26.36		1519.9							
12.2	OBS	00072	18.24	36.474	26.36		1520.1							
12.2	OBS	00109		36.480										
12.2	OBS	T00145	17.93	36.461	26.43		1520.4							
12.2	OBS	00218	17.44	36.405	26.50		1520.1							
12.2	OBS	T00290	17.18	36.393	26.56		1520.5							
12.2	OBS	00364	16.74	36.327	26.61		1520.3							
12.2	OBS	T00436	16.15	36.237	26.68		1519.6							
12.2	OBS	00594		35.860										
12.2	OBS	00755	09.91	35.352	27.26		1502.9							
12.2	OBS	T01174	05.28	35.058	27.71		1491.7							

REFID 31 2162 YEAR 1973 BOTOP 02979 AIR TEMP 16.3 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 03 SHIP ME WET BULB 12.9 24 6 2 WIND-SPD 24 TRACE DIR 5 SQUARE 4
LAT 35 13 N DAY 13 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E82 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.40	36.520	26.35		1519.5							
12.3	OBS	00030	18.44	36.517	26.34		1520.1							
12.3	OBS	00056	18.42	36.523	26.35		1520.4							
12.3	OBS	00085	18.42	36.525	26.35		1520.9							
12.3	OBS	00110	18.45	36.517	26.34		1521.4							
12.3	OBS	00162		36.419										
12.3	OBS	00212	17.65	36.412	26.46		1520.6							
12.3	OBS	00310	17.30	36.407	26.54		1521.2							
12.3	OBS	T00400	16.86	36.349	26.60		1521.3							
12.3	OBS	00490	15.21	36.055	26.76		1517.4							
12.3	OBS	T00578	13.98	35.870	26.88		1514.7							
12.3	OBS	00750		35.462										
12.3	OBS	T00918	07.39	35.107	27.47		1495.8							
12.3	OBS	T01410	04.75	35.062	27.77		1493.4							

REFID 31 2162 YEAR 1973 BOTOP 01716 AIR TEMP 15.2 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 03 SHIP ME WET BULB 10.6 30 7 4 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 16 DATA USE 1 BAROMETR 1017.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 14.0 AREA 05 CLOUD T/A 6/6 CL/TR /13 WEATHER X1 ORIG E82 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.0	OBS	00000	18.36	36.497	26.35		1519.3							
14.0	OBS	00020	18.38	36.512	26.35		1519.7							
14.0	OBS	00036	17.98	36.431	26.39		1518.7							
14.0	OBS	00055	17.88	36.401	26.39		1518.7							
14.0	OBS	00072	17.84	36.379	26.38		1518.9							
14.0	OBS	00108	17.76	36.378	26.40		1519.2							
14.0	OBS	00216	17.41	36.349	26.47		1519.9							
14.0	OBS	00288	17.37	36.398	26.51		1521.1							
14.0	OBS	T00431	16.07	36.278	26.73		1519.4							

TABLE LXII.—Observed and interpolated oceanographic data for stations taken by USCGC GALLATIN at Ocean Station ECHO, 18 March 1973 - 11 April 1973, prepared from NODC listing No. 31 - 2192.

REFID 31 2192	YEAR 1973	BOTDP 04206	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 21	INST NANSEN CAST		TEN SQ 1206	
CONSEC 0001	MONTH 03	SHIP 3L	WET BULB 18.9	21 2 2	WIND-SPD 28	TRACE DIR		5 SQUARE 4	
LAT 35 00 N	DAY 19	DATA USE 1	BAROMETR 1011.9	SEA	WIND-FOR	DURATION		2 SQUARE 48	
LONG 048 00 W	HOUR 12.6	AREA 05	CLOUD T/A 2/6	CL/TR	WEATHER X1	ORIG E83 001		1 SQUARE 58	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	18.20	36.424	26.33		1518.8							
12.6	OBS	00022	18.18	36.419	26.33		1519.1							
12.6	OBS	00045	18.20	36.422	26.33		1519.5							
12.6	OBS	00067	18.19	36.422	26.33		1519.8							
12.6	OBS	00089	18.04	36.412	26.36		1519.8							
12.6	OBS	00134	17.85	36.385	26.39		1519.9							
12.6	OBS	T00183	17.77	36.372	26.40		1520.5							
12.6	OBS	00272	17.56	36.400	26.47		1521.4							
12.6	OBS	T00361	17.23	36.374	26.53		1521.8							
12.6	OBS	00455	16.59	36.265	26.60		1521.3							
12.6	OBS	T00544	15.17	36.014	26.73		1518.1							
12.6	OBS	T00722	12.16	35.568	27.02		1510.6							

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REFID 31 2192	YEAR 1973	BOTDP 04298	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 19	INST NANSEN CAST		TEN SQ 1206	
CONSEC 0002	MONTH 03	SHIP 3L	WET BULB 18.3	25 2 2	WIND-SPD 12	TRACE DIR		5 SQUARE 2	
LAT 34 58 N	DAY 20	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FOR	DURATION		2 SQUARE 46	
LONG 047 57.5W	HOUR 12.2	AREA 05	CLOUD T/A 8/6	CL/TR /26	WEATHER X1	ORIG E83 002		1 SQUARE 47	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.59	36.431	26.24		1519.9							
12.2	OBS	00024	18.58	36.446	26.25		1520.3							
12.2	OBS	00049	18.52	36.436	26.26		1520.5							
12.2	OBS	00073	18.28	36.434	26.32		1520.2							
12.2	OBS	00098	18.28	36.434	26.32		1520.6							
12.2	OBS	00146	18.21	36.412	26.32		1521.2							
12.2	OBS	T00200	17.80	36.368	26.39		1520.8							
12.2	OBS	00298	17.40	36.383	26.50		1521.3							
12.2	OBS	T00395	17.00	36.344	26.56		1521.7							
12.2	OBS	00498	15.69	36.105	26.69		1519.1							
12.2	OBS	T00595	14.10	35.852	26.84		1515.3							
12.2	OBS	T00791	10.40	35.354	27.18		1505.3							
12.2	OBS	00991	06.78	35.111	27.56		1494.7							
12.2	OBS	T01489	04.63	35.057	27.78		1494.3							

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REFID 31 2192	YEAR 1973	BOTDP 04572	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST		TEN SQ 1206	
CONSEC 0003	MONTH 03	SHIP 3L	WET BULB 18.3	23 0 2	WIND-SPD 13	TRACE DIR		5 SQUARE 2	
LAT 34 57.5N	DAY 21	DATA USE 1	BAROMETR 1019.8	SEA	WIND-FOR	DURATION		2 SQUARE 48	
LONG 048 09 W	HOUR 12.3	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E83 003		1 SQUARE 48	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.53	36.455	26.27		1519.8							
12.3	OBS	00023	18.53	36.473	26.28		1520.2							
12.3	OBS	00047	18.51	36.460	26.28		1520.5							
12.3	OBS	00070	18.33	36.440	26.31		1520.3							
12.3	OBS	00093	18.29	36.443	26.32		1520.6							
12.3	OBS	00139	18.28	36.437	26.32		1521.3							
12.3	OBS	T00190	17.94	36.399	26.38		1521.1							
12.3	OBS	00283	17.54	36.408	26.48		1521.5							
12.3	OBS	T00375	17.04	36.364	26.57		1521.5							
12.3	OBS	00473	16.10	36.193	26.66		1520.0							
12.3	OBS	T00566	14.27	35.895	26.84		1515.4							
12.3	OBS	T00754	11.22	35.463	27.11		1507.7							
12.3	OBS	T00948	07.25	35.129	27.51		1495.8							
12.3	OBS	T01439	04.64	35.064	27.79		1493.5							

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TABLE LXII.—Continued

REFID 31 2192 YEAR 1973 BOTDP 04548 AIR TEMP 19.4 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 03 SHIP 3L WET BULB 18.3 28 0 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 22 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 52.5W HOUR 12.8 AREA 05 CLOUD T/A 7/7 CL/TR /16 WEATHER X1 ORIG E83 004 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	18.46	36.455	26.29		1519.6							
12.8	OBS	00025	18.38	36.456	26.31		1519.7							
12.8	OBS	00049	18.24	36.440	26.33		1519.7							
12.8	OBS	00074	18.19	36.446	26.35		1520.0							
12.8	OBS	00099	18.09	36.435	26.37		1520.1							
12.8	OBS	00148	17.97	36.402	26.37		1520.5							
12.8	OBS	T00202	17.83	36.382	26.39		1521.0							
12.8	OBS	00301	17.47	36.378	26.47		1521.5							
12.8	OBS	T00400	16.93	36.338	26.57		1521.5							
12.8	OBS	00504	15.81	36.134	26.68		1519.6							
12.8	OBS	00602	14.27	35.890	26.83		1516.0							
12.8	OBS	T00800	10.52	35.375	27.17		1505.9							
12.8	OBS	T01003	06.55	35.068	27.55		1493.9							
12.8	OBS	T01507	04.56	35.043	27.78		1494.3							

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REFID 31 2192 YEAR 1973 BOTDP 04298 AIR TEMP 20.6 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 03 SHIP 3L WET BULB 16.9 20 2 2 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 33 49 N DAY 25 DATA USE 1 BAROMETR 1007.5 SEA WIND-FOR DURATION 2 SQUARE 28
LONG 048 17.5W HOUR 12.9 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E83 005 1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	18.65	36.405	26.20		1520.0							
12.9	OBS	00024	18.65	36.415	26.21		1520.4							
12.9	OBS	00048	18.58	36.446	26.25		1520.7							
12.9	OBS	00072	18.36	36.463	26.32		1520.5							
12.9	OBS	00097	18.31	36.443	26.32		1520.7							
12.9	OBS	00145	18.11	36.393	26.33		1520.9							
12.9	OBS	T00198	17.84	36.413	26.41		1521.0							
12.9	OBS	00294	17.32	36.386	26.52		1521.0							
12.9	OBS	T00390	16.63	36.272	26.60		1520.4							
12.9	OBS	00491	15.47	36.078	26.71		1518.2							
12.9	OBS	T00588	13.99	35.846	26.86		1514.8							
12.9	OBS	00782	10.71	35.388	27.15		1506.3							
12.9	OBS	00982	07.36	35.161	27.51		1496.8							
12.9	OBS	T01491	04.74	35.078	27.79		1494.8							

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REFID 31 2192 YEAR 1973 BOTDP 04846 AIR TEMP 19.2 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 03 SHIP 3L WET BULB 17.8 19 1 3 WIND-SPD 11 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1013.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A 3/6 CL/TR /18 WEATHER X1 ORIG E83 006 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.71	36.422	26.20		1520.2							
12.0	OBS	00023	18.69	36.424	26.21		1520.5							
12.0	OBS	00046	18.34	36.383	26.26		1519.9							
12.0	OBS	00068	18.32	36.403	26.28		1520.2							
12.0	OBS	00091	18.10	36.382	26.32		1519.9							
12.0	OBS	00137	18.07	36.390	26.34		1520.6							
12.0	OBS	T00187	17.98	36.394	26.36		1521.2							
12.0	OBS	00278	17.74	36.389	26.42		1522.0							
12.0	OBS	T00369	17.36	36.376	26.50		1522.3							
12.0	OBS	00466		36.180										
12.0	OBS	00558	14.96	35.968	26.74		1517.6							
12.0	OBS	T00743	11.82	35.526	27.05		1509.7							
12.0	OBS	00935		35.139										
12.0	OBS	T01424	04.50	35.003	27.76		1492.6							

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REFID 31 2192 YEAR 1973 BOTDP 04206 AIR TEMP 18.9 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 03 SHIP 3L WET BULB 18.3 30 1 4 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 58.4N DAY 27 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 09.7W HOUR 12.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E83 007 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.80	36.483	26.22		1520.6							
12.1	OBS	00022		36.479										
12.1	OBS	00043	18.68	36.489	26.26		1520.9							
12.1	OBS	00065	18.58	36.463	26.26		1521.0							
12.1	OBS	00087	18.56	36.458	26.26		1521.3							
12.1	OBS	00131	18.52	36.483	26.29		1521.9							
12.1	OBS	T00179	17.92	36.384	26.37		1520.9							
12.1	OBS	00266	17.59	36.400	26.46		1521.3							
12.1	OBS	T00353	17.26	36.376	26.52		1521.8							
12.1	OBS	00444		36.288										
12.1	OBS	T00532	15.35	36.042	26.71		1518.5							
12.1	OBS	00709	12.75	35.650	26.96		1512.5							
12.1	OBS	00893		35.194										
12.1	OBS	T01359	04.91	35.074	27.77		1493.3							

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TABLE LXII.—Continued

REFID 31 2192 YEAR 1973 BOTDP 04665 AIR TEMP 19.4 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 03 SHIP 3L WET BULB 18.3 10 1 2 WIND-SPD 04 TRACE DIR 5 SQUARE 2
LAT 34 55.4N DAY 28 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04.6W HOUR 12.1 AREA 05 CLOUD T/A 1/5 CL/TR WEATHER X1 ORIG E83 008 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.98	36.498	26.19		1521.1							
12.1	OBS	00024	18.92	36.493	26.20		1521.3							
12.1	OBS	00048	18.91	36.492	26.20		1521.7							
12.1	OBS	00072	18.89	36.501	26.21		1522.0							
12.1	OBS	00096		36.495										
12.1	OBS	00145	18.64	36.471	26.25		1522.5							
12.1	OBS	T00198	18.09	36.416	26.35		1521.7							
12.1	OBS	00294	17.57	36.397	26.46		1521.7							
12.1	OBS	T00390	17.21	36.365	26.53		1522.2							
12.1	OBS	00491	16.30	36.209	26.62		1521.0							
12.1	OBS	T00586	14.70	35.932	26.77		1517.2							
12.1	OBS	T00775	10.76	35.388	27.14		1506.4							
12.1	OBS	00966	06.86	35.087	27.53		1494.5							
12.1	OBS	T01434	04.58	35.068	27.80		1493.1							

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REFID 31 2192 YEAR 1973 BOTDP 04389 AIR TEMP 20.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 03 SHIP 3L WET BULB 18.9 15 1 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 29 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 3/7 CL/TR /16 WEATHER X1 ORIG E83 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.99	36.515	26.20		1521.1							
12.3	OBS	00024	18.96	36.515	26.21		1521.4							
12.3	OBS	00048	18.92	36.506	26.21		1521.7							
12.3	OBS	00071	18.89	36.512	26.22		1522.0							
12.3	OBS	00095	18.75	36.512	26.26		1522.0							
12.3	OBS	00142	18.42	36.449	26.29		1521.8							
12.3	OBS	T00194	18.03	36.421	26.37		1521.5							
12.3	OBS	00289	17.44	36.394	26.49		1521.3							
12.3	OBS	T00385	17.01	36.356	26.57		1521.5							
12.3	OBS	00484	16.07	36.188	26.66		1520.1							
12.3	OBS	00579	14.91	35.987	26.77		1517.8							
12.3	OBS	00768	11.18	35.438	27.10		1507.8							
12.3	OBS	00962	08.14	35.120	27.37		1499.5							
12.3	OBS	T01451	04.78	35.081	27.79		1494.3							

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REFID 31 2192 YEAR 1973 BOTDP 04819 AIR TEMP 18.9 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 04 SHIP 3L WET BULB 18.3 14 4 2 WIND-SPD 03 TRACE DIR 5 SQUARE 2
LAT 34 46.8N DAY 01 DATA USE 1 BAROMETR 1004.4 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59.7W HOUR 12.6 AREA 05 CLOUD T/A 9/8 CL/TR WEATHER X5 ORIG E83 010 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	18.83	36.377	26.13		1520.5							
12.6	OBS	00025	18.80	36.387	26.15		1520.8							
12.6	OBS	00049	18.74	36.493	26.25		1521.2							
12.6	OBS	00074	18.62	36.497	26.28		1521.3							
12.6	OBS	00099	18.39	36.459	26.31		1521.0							
12.6	OBS	00149	17.94	36.385	26.36		1520.4							
12.6	OBS	T00203	17.85	36.392	26.39		1521.1							
12.6	OBS	00303	17.53	36.394	26.47		1521.8							
12.6	OBS	T00402	16.94	36.324	26.56		1521.6							
12.6	OBS	00506	15.65	36.100	26.69		1519.1							
12.6	OBS	00606	13.87	35.807	26.86		1514.7							
12.6	OBS	T00804	09.73	35.254	27.22		1502.9							
12.6	OBS	01015	06.76	35.090	27.54		1495.0							
12.6	OBS	T01515	04.64	35.059	27.78		1494.7							

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REFID 31 2192 YEAR 1973 BOTDP 04870 AIR TEMP 21.7 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 04 SHIP 3L WET BULB 18.9 11 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 34 52.5N DAY 02 DATA USE 1 BAROMETR 1005.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54.5W HOUR 18.1 AREA 05 CLOUD T/A 9/7 CL/TR WEATHER X1 ORIG E83 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	19.29	36.408	26.04		1521.8							
18.1	OBS	00025	18.90											
18.1	OBS	00050	18.83	36.439	26.18		1521.4							
18.1	OBS	00074	18.41	36.422	26.28		1520.6							
18.1	OBS	00099	18.30	36.454	26.33		1520.7							
18.1	OBS	00149	18.04	36.404	26.35		1520.7							
18.1	OBS	T00204	17.84	36.395	26.40		1521.0							
18.1	OBS	00303	17.44	36.397	26.50		1521.5							
18.1	OBS	T00402	16.82	36.306	26.58		1521.2							
18.1	OBS	00507	15.24	36.028	26.73		1517.7							
18.1	OBS	00606	13.88	35.815	26.86		1514.7							
18.1	OBS	00805	09.71	35.260	27.22		1502.9							
18.1	OBS	01009	06.67	35.094	27.56		1494.5							
18.1	OBS	T01516	04.38	35.022	27.78		1493.6							

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TABLE LXII.—Continued

REFID 31 2192 YEAR 1973 BOTOP 04938 AIR TEMP 22.5 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 04 SHIP 3L WET BULB 20.0 15 1 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 47.5N DAY 03 DATA USE L BAROMETR 1009.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 48 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR /32 WEATHER X1 ORIG E83 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.91	36.403	26.13		1520.8							
12.3	OBS	00023	18.91	36.426	26.15		1521.2							
12.3	OBS	00045	18.88	36.482	26.20		1521.5							
12.3	OBS	00068	18.63	36.500	26.28		1521.2							
12.3	OBS	00090	18.28	36.440	26.32		1520.5							
12.3	OBS	00135	18.05	36.404	26.35		1520.5							
12.3	OBS	T00185	17.86	36.397	26.39		1520.8							
12.3	OBS	T00365	16.93	36.328	26.57		1520.9							
12.3	OBS	T00459	15.90	36.135	26.66		1519.1							
12.3	OBS	T00549	14.43	35.906	26.81		1515.7							
12.3	OBS	T00729	11.49	35.478	27.08		1508.3							
12.3	OBS	00912	07.88	35.185	27.46		1497.7							
12.3	OBS	T01377	04.74	35.064	27.78		1492.8							

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REFID 31 2192 YEAR 1973 BOTOP 04883 AIR TEMP 20.0 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 04 SHIP 3L WET BULB 17.5 26 2 6 WIND-SPD 19 TRACE DIR 5 SQUARE 2
LAT 34 49.5N DAY 04 DATA USE L BAROMETR 1009.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 43.5W HOUR 12.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E83 013 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.76	36.356	26.14		1520.3							
12.2	OBS	00021	18.67	36.363	26.16		1520.4							
12.2	OBS	00042	18.41	36.466	26.31		1520.1							
12.2	OBS	00063	18.29	36.455	26.33		1520.1							
12.2	OBS	00085	18.05	36.427	26.37		1519.7							
12.2	OBS	00127	17.77	36.381	26.40		1519.6							
12.2	OBS	T00174	17.64	36.363	26.42		1519.9							
12.2	OBS	T00346	16.98	36.329	26.56		1520.8							
12.2	OBS	T00438	16.27	36.217	26.64		1520.0							
12.2	OBS	T00525	15.14	36.024	26.75		1517.7							
12.2	OBS	00702	10.98	35.400	27.11		1505.9							
12.2	OBS	00888	07.59	35.239	27.54		1496.3							
12.2	OBS	T01370	04.71	35.049	27.77		1492.6							

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REFID 31 2192 YEAR 1973 BOTOP 04787 AIR TEMP 18.9 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 04 SHIP 3L WET BULB 17.2 29 2 2 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 34 55.5N DAY 09 DATA USE L BAROMETR 1015.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 11.5W HOUR 12.2 AREA 05 CLOUD T/A 7/8 CL/TR /27 WEATHER X2 ORIG E83 014 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.66	36.435	26.22		1520.1							
12.2	OBS	00024	18.66	36.438	26.22		1520.5							
12.2	OBS	00049	18.65	36.435	26.22		1520.9							
12.2	OBS	00073	18.66	36.441	26.23		1521.3							
12.2	OBS	00097	18.40	36.464	26.31		1521.0							
12.2	OBS	00145	18.01	36.397	26.36		1520.6							
12.2	OBS	00198	17.75	36.378	26.41		1520.7							
12.2	OBS	T00391	16.75	36.307	26.59		1520.8							
12.2	OBS	T00493	15.57	36.094	26.70		1518.6							
12.2	OBS	T00590	13.78	35.828	26.89		1514.2							
12.2	OBS	T00786	10.20	35.342	27.20		1504.5							
12.2	OBS	T00988	06.55	35.087	27.57		1493.7							
12.2	OBS	T01495	04.54	35.056	27.79		1494.0							

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TABLE LXIII.–Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 11 April 1973 - 3 May 1973, prepared from NODC listing No. 31 - 2204.

REFID 31 2204	YEAR 1973	BOTDP 04874	AIR TEMP 19.6	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 04	SHIP BX	WET BULB 17.8	20 3 3	WIND-SPD 17	TRACE DIR	5 SQUARE 4
LAT 35 06 N	DAY 12	DATA USE 1	BAROMETR 1019.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 17.8	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X2	ORIG E84 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	OBS	00000	18.16	36.356	26.29		1518.6							
17.8	OBS	00028	18.17	36.352	26.28		1519.1							
17.8	OBS	00051	18.12	36.355	26.30		1519.3							
17.8	OBS	00078	18.08	36.358	26.31		1519.6							
17.8	OBS	00102	17.58	36.332	26.41		1518.5							
17.8	OBS	00153	17.33	36.317	26.46		1518.6							
17.8	OBS	T00204	16.89	36.275	26.54		1518.1							
17.8	OBS	00308	16.32	36.196	26.61		1518.0							
17.8	OBS	T00413	15.30	36.076	26.75		1516.4							
17.8	OBS	T00518	13.97	35.857	26.87		1513.6							
17.8	OBS	T00622	12.52	35.653	27.01		1510.3							
17.8	OBS	T00836	09.00	35.415	27.46		1501.0							
17.8	OBS	T01046	06.28	35.102	27.62		1493.6							

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REFID 31 2204	YEAR 1973	BOTDP 04874	AIR TEMP 18.8	DIR HGT PER	WIND-DIR 29	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 04	SHIP BX	WET BULB 17.3	29 0 2	WIND-SPD 04	TRACE DIR	5 SQUARE 2
LAT 34 53 N	DAY 13	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 56 W	HOUR 13.3	AREA 05	CLOUD T/A 8/2	CL/TR /24	WEATHER X1	ORIG E84 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	18.52	36.321	26.17		1519.6							
13.3	OBS	00023	18.39	36.352	26.23		1519.6							
13.3	OBS	00047	18.31	36.356	26.25		1519.8							
13.3	OBS	00070	17.88	36.327	26.34		1518.9							
13.3	OBS	00093	17.55	36.336	26.42		1518.3							
13.3	OBS	00140	17.38	36.324	26.46		1518.6							
13.3	OBS	T00191	17.04	36.328	26.54		1518.4							
13.3	OBS	00285	16.06	36.168	26.65		1516.8							
13.3	OBS	00379	14.72	35.996	26.82		1513.9							
13.3	OBS	00477	13.74	35.840	26.91		1512.2							
13.3	OBS	T00571	13.05	35.772	27.00		1511.4							
13.3	OBS	T00760	09.97	35.561	27.41		1503.5							
13.3	OBS	00957	06.66	35.103	27.57		1493.6							
13.3	OBS	T01455	04.55	35.017	27.76		1493.3							

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REFID 31 2204	YEAR 1973	BOTDP 04864	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 04	SHIP BX	WET BULB 15.0	27 3 2	WIND-SPD 22	TRACE DIR	5 SQUARE 2
LAT 34 46 N	DAY 15	DATA USE 1	BAROMETR 1017.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 12.8	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E84 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	18.25	36.273	26.20		1518.7							
12.8	OBS	00025	18.26	36.271	26.20		1519.2							
12.8	OBS	00046	18.11	36.282	26.24		1519.1							
12.8	OBS	00071	17.63	36.325	26.40		1518.2							
12.8	OBS	00092	17.55	36.320	26.41		1518.3							
12.8	OBS	00138	17.46	36.316	26.43		1518.8							
12.8	OBS	00183	17.16	36.294	26.49		1518.6							
12.8	OBS	00277	16.07	36.171	26.65		1516.7							
12.8	OBS	00372	14.90	36.000	26.78		1514.4							
12.8	OBS	T00469	13.82	35.838	26.89		1512.3							
12.8	OBS	T00569	12.72	35.683	27.00		1510.1							
12.8	OBS	T00773	09.72	35.395	27.33		1502.6							
12.8	OBS	00975	07.53	35.238	27.55		1497.5							
12.8	OBS	T01483	04.53	35.039	27.78		1493.7							

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TABLE LXIII.—Continued

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REFID  31  2204      YEAR 1973     BOTDP 04520     AIR TEMP   15.7     DIR HGT PER      WIND-DIR 31     INST NANSEN CAST      TEN SQ 1206
CONSEC     0004      MONTH  04     SHIP BX         WET BULB   11.7      30  4   4       WIND-SPD 19     TRACE DIR             5 SQUARE  2
LAT    34 48  N      DAY    16     DATA USE  1     BAROMETR 1022.7     SEA              WIND-FOR        DURATION              2 SQUARE 48
LONG  048 02  W      HOUR 12.7     AREA      05    CLOUD T/A   9/6     CL/TR    /28     WEATHER  X1     ORIG E84 004          1 SQUARE 48

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

         12.7   OBS      00000    18.18    36.305      26.24               1518.6
         12.7   OBS      00020             36.304
         12.7   OBS      00035    18.16    36.306      26.25               1519.1
         12.7   OBS      00055    17.90    36.351      26.35               1518.7
         12.7   OBS      00072    17.66    36.358      26.41               1518.3
         12.7   OBS      00108    17.54    36.349      26.44               1518.5
         12.7   OBS      T00144   17.18    36.301      26.49               1518.0
         12.7   OBS      00212    16.58    36.264      26.60               1517.3
         12.7   OBS      00278    15.64    36.110      26.70               1515.3
         12.7   OBS      T00344   14.74    35.981      26.80               1513.4
         12.7   OBS      00410    14.27    35.915      26.85               1512.9
         12.7   OBS      T00554   12.55    35.791      27.11               1509.4
         12.7   OBS      T01062   05.69    35.095      27.69               1491.5

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REFID  31  2204      YEAR 1973     BOTDP 04464     AIR TEMP   17.8     DIR HGT PER      WIND-DIR 30     INST NANSEN CAST      TEN SQ 1206
CONSEC     0005      MONTH  04     SHIP BX         WET BULB   14.0      30  4   4       WIND-SPD 17     TRACE DIR             5 SQUARE  4
LAT    35 11  N      DAY    17     DATA USE  1     BAROMETR 1023.6     SEA              WIND-FOR        DURATION              2 SQUARE 48
LONG  048 20  W      HOUR 12.9     AREA      05    CLOUD T/A   8/2     CL/TR            WEATHER  X1     ORIG E84 005          1 SQUARE 58

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

         12.9   OBS      00000    18.15    36.350      26.29               1518.5
         12.9   OBS      00027    18.19    36.351      26.28               1519.1
         12.9   OBS      00050    18.17    36.351      26.28               1519.4
         12.9   OBS      00076    18.14    36.349      26.29               1519.8
         12.9   OBS      00100    17.99    36.366      26.34               1519.7
         12.9   OBS      00147    17.66    36.355      26.41               1519.5
         12.9   OBS      T00194   17.50    36.351      26.45               1519.8
         12.9   OBS      00286    17.22    36.339      26.51               1520.5
         12.9   OBS      00376    16.47    36.263      26.63               1519.7
         12.9   OBS      T00469   14.56    35.869      26.76               1514.8
         12.9   OBS      00557    13.90    35.849      26.88               1514.0
         12.9   OBS      T00734   11.26    35.702      27.29               1507.8
         12.9   OBS      00927    08.70    35.318      27.43               1501.3
         12.9   OBS      T01475   04.66    35.050      27.78               1494.1

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REFID  31  2204      YEAR 1973     BOTDP 04451     AIR TEMP   18.4     DIR HGT PER      WIND-DIR 32     INST NANSEN CAST      TEN SQ 1206
CONSEC     0006      MONTH  04     SHIP BX         WET BULB   15.0      32  4   4       WIND-SPD 15     TRACE DIR             5 SQUARE  4
LAT    35 06  N      DAY    18     DATA USE  1     BAROMETR 1025.4     SEA              WIND-FOR        DURATION              2 SQUARE 46
LONG  047 30  W      HOUR 17.9     AREA      05    CLOUD T/A   3/3     CL/TR            WEATHER  X1     ORIG E84 006          1 SQUARE 57

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

         17.9   OBS      00000    18.41    36.381      26.24               1519.3
         17.9   OBS      00031    18.23    36.344      26.26               1519.3
         17.9   OBS      00058    18.28    36.384      26.28               1519.9
         17.9   OBS      00090    17.91    36.352      26.35               1519.3
         17.9   OBS      00116    17.56    36.346      26.43               1518.7

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REFID  31  2204      YEAR 1973     BOTDP 04867     AIR TEMP   19.0     DIR HGT PER      WIND-DIR 32     INST NANSEN CAST      TEN SQ 1206
CONSEC     0007      MONTH  04     SHIP BX         WET BULB   16.2      32  2   3       WIND-SPD 11     TRACE DIR             5 SQUARE  2
LAT    34 47  N      DAY    19     DATA USE  1     BAROMETR 1024.4     SEA              WIND-FOR        DURATION              2 SQUARE 46
LONG  047 54  W      HOUR 13.7     AREA      05    CLOUD T/A   8/5     CL/TR            WEATHER  X1     ORIG E84 007          1 SQUARE 47

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

         13.7   OBS      00000    18.28    36.317      26.23               1518.9
         13.7   OBS      00025    18.21    36.322      26.25               1519.1
         13.7   OBS      00049    18.18    36.324      26.26               1519.4
         13.7   OBS      00074    18.06    36.337      26.30               1519.5
         13.7   OBS      00099    17.62    36.340      26.41               1518.6
         13.7   OBS      00149    17.24    36.302      26.47               1518.3
         13.7   OBS      T00203   16.95    36.266      26.51               1518.3
         13.7   OBS      00303    15.87    36.139      26.67               1516.5
         13.7   OBS      00402    14.82    35.961      26.77               1514.6
         13.7   OBS      00506    13.47    35.799      26.93               1511.7
         13.7   OBS      T00606   11.72    35.559      27.09               1507.2
         13.7   OBS      T00805   09.22    35.527      27.51               1501.4
         13.7   OBS      T01008   06.43    35.119      27.61               1493.6
         17.8   OBS      T02003   03.81    34.994      27.82               1499.5
         17.8   OBS      T02499   03.45    34.966      27.84               1506.4
         17.8   OBS      02988    02.99    34.950      27.87               1512.8
         17.8   OBS      T03493   02.53    34.920      27.88               1519.6
         17.8   OBS      T03989   02.34
         17.8   OBS      04383    02.28    34.893      27.88               1534.2

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TABLE LXIII.—Continued

REFID 31 2204	YEAR 1973	BOTDP 02259	AIR TEMP 17.6	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0008	MONTH 04	SHIP BX	WET BULB 14.3	23 0 2	WIND-SPD 09	TRACE DIR	5 SQUARE 4
LAT 35 15 N	DAY 20	DATA USE 1	BAROMETR 1018.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 10 W	HOUR 12.2	AREA 05	CLOUD T/A 8/5	CL/TR /20	WEATHER X1	ORIG E84 008	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.37	36.395	26.26		1519.2							
12.2	OBS	00025	18.34	36.398	26.27		1519.6							
12.2	OBS	00049	18.22	36.395	26.30		1519.6							
12.2	OBS	00074	18.22	36.394	26.30		1520.0							
12.2	OBS	00099	18.17	36.388	26.31		1520.3							
12.2	OBS	00148	17.63	36.318	26.39		1519.4							
12.2	OBS	T00202	17.28	36.311	26.47		1519.3							
12.2	OBS	00301	16.91	36.319	26.56		1519.8							
12.2	OBS	00399	15.74	36.117	26.68		1517.6							
12.2	OBS	00503	14.49	35.943	26.83		1515.2							
12.2	OBS	00601	13.18	35.747	26.95		1512.3							
12.2	OBS	T00799	09.73	35.489	27.40		1503.2							
12.2	OBS	T01001	07.44	35.288	27.60		1497.6							

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REFID 31 2204	YEAR 1973	BOTDP 03277	AIR TEMP 15.2	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1206
CONSEC 0009	MONTH 04	SHIP BX	WET BULB 13.5	22 2 4	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 35 05 N	DAY 21	DATA USE 1	BAROMETR 1006.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 55 W	HOUR 12.5	AREA 05	CLOUD T/A 5/8	CL/TR	WEATHER Xo	ORIG E84 009	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	18.09	36.352	26.30		1518.4							
12.5	OBS	00026	18.15	36.389	26.32		1519.0							
12.5	OBS	00048	18.02	36.383	26.34		1519.0							
12.5	OBS	00075	18.02	36.387	26.35		1519.4							
12.5	OBS	00096	17.96	36.398	26.37		1519.6							
12.5	OBS	00144	17.83	36.422	26.42		1520.1							
12.5	OBS	T00192	17.73	36.416	26.44		1520.6							
12.5	OBS	00288	17.17	36.353	26.53		1520.4							
12.5	OBS	00385	16.84	36.311	26.58		1521.0							
12.5	OBS	T00482	15.45	36.077	26.72		1518.0							
12.5	OBS	T00580	14.16	35.907	26.87		1515.3							
12.5	OBS	T00782	11.50	35.595	27.16		1509.3							

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REFID 31 2204	YEAR 1973	BOTDP 04465	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 29	INST NANSEN CAST	TEN SQ 1206
CONSEC 0010	MONTH 04	SHIP BX	WET BULB 15.8	31 3 4	WIND-SPD 03	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 25	DATA USE 1	BAROMETR 1010.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 12.5	AREA 05	CLOUD T/A 6/2	CL/TR	WEATHER X1	ORIG E84 010	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	18.02	36.397	26.35		1518.2							
12.5	OBS	00025	17.95	36.398	26.37		1518.4							
12.5	OBS	00050	17.93	36.400	26.38		1518.8							
12.5	OBS	00075	17.93	36.398	26.38		1519.2							
12.5	OBS	00100	17.95	36.398	26.37		1519.7							
12.5	OBS	00150	17.86	36.422	26.41		1520.3							
12.5	OBS	T00205	17.66	36.386	26.43		1520.5							
12.5	OBS	00305	17.08	36.350	26.55		1520.4							
12.5	OBS	00405	15.73	36.113	26.68		1517.7							
12.5	OBS	T00510	14.68	35.988	26.82		1516.0							
12.5	OBS	00610	13.65	35.827	26.92		1514.1							
12.5	OBS	T00809	10.60	35.590	27.33		1506.6							
12.5	OBS	01012	07.52	35.262	27.57		1498.1							
12.5	OBS	T01519	04.75	35.168	27.86		1495.4							

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REFID 31 2204	YEAR 1973	BOTDP 04465	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0011	MONTH 05	SHIP BX	WET BULB 15.9	04 2 4	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 10 N	DAY 01	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 049 23 W	HOUR 18.0	AREA 05	CLOUD T/A 5/7	CL/TR	WEATHER X1	ORIG E84 011	1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	18.23	36.407	26.31		1518.8							
18.0	OBS	00023	18.07	36.390	26.34		1518.7							
18.0	OBS	00047	17.83	36.394	26.40		1518.4							
18.0	OBS	00070	17.79	36.385	26.40		1518.7							
18.0	OBS	00093	17.83	36.392	26.40		1519.2							
18.0	OBS	00140	17.85	36.393	26.39		1520.0							
18.0	OBS	00191	17.47	36.337	26.44		1519.7							
18.0	OBS	00284	17.02	36.351	26.56		1519.9							
18.0	OBS	00377	16.32	36.226	26.63		1519.2							
18.0	OBS	T00475	15.66	36.091	26.68		1518.6							
18.0	OBS	00568	14.53	35.956	26.83		1516.4							
18.0	OBS	T00754	11.23	35.564	27.19		1507.9							
18.0	OBS	00945	07.36	35.099	27.47		1496.2							
18.0	OBS	T01420	04.70	35.045	27.77		1493.4							

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TABLE LXIII.—Continued

REFID 31 2204	YEAR 1973	BOTDP 04855	AIR TEMP 18.2	DIR WGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 05	SHIP BX	WET BULB 14.9	30 1 3	WIND-SPD 05	TRACE DIR	5 SQUARE 4
LAT 35 29 N	DAY 02	DATA USE 1	BAROMETR 1020.5	SEA	WIND-FJR	DURATION	2 SQUARE 48
LONG 049 08 W	HOUR 16.5	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E84 012	1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.5	OBS	00000	18.14	36.403	26.33		1518.6							
16.5	OBS	00025	17.96	36.399	26.37		1518.5							
16.5	OBS	00050	17.82	36.396	26.40		1518.5							
16.5	OBS	00075	17.85	36.394	26.39		1519.0							
16.5	OBS	00100	17.82	36.395	26.40		1519.3							
16.5	OBS	00150	17.78	36.400	26.42		1520.0							
16.5	OBS	T00205	17.53	36.391	26.47		1520.2							
16.5	OBS	00304	16.93	36.314	26.56		1519.9							
16.5	OBS	00403	16.38	36.206	26.60		1519.8							
16.5	OBS	T00506	15.3[illegible]	36.069	26.73		1518.2							
16.5	OBS	T00604	14.04	35.877	26.87		1515.3							
16.5	OBS	T00799	10.60	35.597	27.33		1506.4							

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TABLE LXIV.—Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 3 May 1973 - 23 May 1973, prepared from NODC listing No. 31 - 2197.

REFID 31 2197	YEAR 1973	BOTDP 04189	AIR TEMP 18.2	DIR HGT PER	WIND-DIR 26	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 05	SHIP EN	WET BULB 15.6	29 3 2	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 35 10 N	DAY 04	DATA USE 1	BAROMETR 1015.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 35 W	HOUR 13.3	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E85 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	OBS	00000	18.16	36.413	26.33		1518.6							
13.3	OBS	00025	17.91											
13.3	OBS	00046	17.83											
13.3	OBS	00071	17.80											
13.3	OBS	00097	17.82	36.409	26.41		1519.3							
13.3	OBS	00141	17.81	36.394	26.40		1519.9							
13.3	OBS	T00181	17.79	36.391	26.41		1520.5							
13.3	OBS	00269	17.36	36.347	26.48		1520.7							
13.3	OBS	00356	16.76	36.326	26.61		1520.3							
13.3	OBS	T00442	15.71	36.122	26.69		1518.2							
13.3	OBS	00528	15.02	36.012	26.76		1517.4							
13.3	OBS	00705	12.05	35.493	26.98		1509.8							
13.3	OBS	T00882	08.66	35.151	27.31		1500.1							
13.3	OBS	T01370	04.90	35.047	27.75		1493.4							

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REFID 31 2197	YEAR 1973	BOTDP 03643	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 36	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 05	SHIP EN	WET BULB 15.0	30 3 3	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 05	DATA USE 1	BAROMETR 1018.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 12 W	HOUR 12.8	AREA 05	CLOUD T/A 8/1	CL/TR	WEATHER X1	ORIG E85 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	18.13	36.414	26.34		1518.6							
12.8	OBS	00023	18.01	36.409	26.37		1518.6							
12.8	OBS	00047	17.71	36.400	26.43		1518.1							
12.8	OBS	00070	17.63	36.403	26.45		1518.2							
12.8	OBS	00093	17.64	36.392	26.44		1518.6							
12.8	OBS	00140	17.51	36.367	26.46		1519.0							
12.8	OBS	T00190	17.02	36.323	26.54		1518.3							
12.8	OBS	00283	16.92	36.327	26.57		1519.6							
12.8	OBS	00376	15.52	36.083	26.71		1516.5							
12.8	OBS	T00473	14.56	35.933	26.80		1514.9							
12.8	OBS	00567	13.17	35.708	26.92		1511.6							
12.8	OBS	00754	09.91	35.303	27.22		1502.8							
12.8	OBS	T00947	07.57	35.246	27.55		1497.2							
12.8	OBS	T01434	04.79	35.048	27.76		1494.0							

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REFID 31 2197	YEAR 1973	BOTDP 04779	AIR TEMP 20.8	DIR HGT PER	WIND-DIR 00	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 05	SHIP EN	WET BULB 16.7	36 1 2	WIND-SPD 00	TRACE DIR	5 SQUARE 2
LAT 34 50 N	DAY 06	DATA USE 1	BAROMETR 1022.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 12 W	HOUR 13.0	AREA 05	CLOUD T/A 4/2	CL/TR	WEATHER X1	ORIG E85 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	17.97	36.344	26.33		1518.0							
13.0	OBS	00024	17.39	36.341	26.47		1516.7							
13.0	OBS	00048	17.43	36.368	26.48		1517.3							
13.0	OBS	00072	17.34	36.355	26.49		1517.4							
13.0	OBS	00096	17.24	36.340	26.50		1517.5							
13.0	OBS	00144	17.07	36.316	26.52		1517.7							
13.0	OBS	T00196	16.84	36.300	26.57		1517.9							
13.0	OBS	00289	16.26	36.199	26.63		1517.5							
13.0	OBS	00380	15.13	36.018	26.74		1515.3							
13.0	OBS	T00471	14.49	35.941	26.83		1514.7							
13.0	OBS	T00558	13.52	35.802	26.92		1512.8							
13.0	OBS	00739	09.94	35.270	27.19		1502.7							
13.0	OBS	00931	07.49	35.199	27.53		1496.6							
13.0	OBS	T01426	04.69	35.032	27.76		1493.4							

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TABLE LXIV.—Continued

REFID 31 2197 YEAR 1973 BOTDP 04005 AIR TEMP 18.5 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 05 SHIP EN WET BULB 16.4 03 2 3 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 07 DATA USE 1 BAROMETR 1021.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.7 AREA 05 CLOUD T/A 8/8 CL/TR /17 WEATHER X2 ORIG E85 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	18.56	36.363	26.19		1519.7							
12.7	OBS	00024	17.86	36.354	26.36		1518.1							
12.7	OBS	00044	17.31	36.293	26.45		1516.7							
12.7	OBS	00067	17.11	36.303	26.50		1516.5							
12.7	OBS	00087	17.08	36.317	26.52		1516.8							
12.7	OBS	00130	17.03	36.306	26.53		1517.3							
12.7	OBS	T00172	16.96	36.304	26.54		1517.8							
12.7	OBS	00268	16.69	36.260	26.57		1518.5							
12.7	OBS	T00401	15.67	36.105	26.69		1517.4							
12.7	OBS	T00470	14.73	35.959	26.79		1515.4							
12.7	OBS	T00614	13.13	35.736	26.95		1512.3							
12.7	OBS	T00763	10.34	35.335	27.17		1504.6							
12.7	OBS	T01169	05.82	35.115	27.69		1493.8							

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REFID 31 2197 YEAR 1973 BOTDP 02540 AIR TEMP 19.9 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 05 SHIP EN WET BULB 17.0 18 2 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 08 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.6 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG E85 005 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	18.57	36.378	26.20		1519.8							
12.6	OBS	00024	17.92	36.362	26.35		1518.3							
12.6	OBS	00047	17.37	36.300	26.44		1517.0							
12.6	OBS	00071	17.34	36.327	26.47		1517.3							
12.6	OBS	00141	17.26	36.320	26.48		1518.2							
12.6	OBS	00192	17.09	36.322	26.52		1518.6							
12.6	OBS	00286	16.87	36.294	26.56		1519.4							
12.6	OBS	00379	15.85	36.122	26.66		1517.6							
12.6	OBS	T00478	15.17	36.033	26.75		1517.0							

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REFID 31 2197 YEAR 1973 BOTDP 04568 AIR TEMP 18.6 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 05 SHIP EN WET BULB 16.1 25 4 4 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 04 N DAY 09 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 17 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E85 006 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.77	36.336	26.12		1520.3							
12.3	OBS	00029	17.91	36.339	26.34		1518.3							
12.3	OBS	00054	17.57	36.328	26.41		1517.7							
12.3	OBS	00083	17.23	36.322	26.49		1517.2							
12.3	OBS	00108	17.09	36.317	26.52		1517.2							
12.3	OBS	00162	16.89	36.295	26.55		1517.4							
12.3	OBS	T00216	16.51	36.233	26.59		1517.1							
12.3	OBS	00324	15.72	36.106	26.68		1516.3							
12.3	OBS	00432	14.68	35.969	26.81		1514.7							
12.3	OBS	T00540	13.46	35.788	26.93		1512.2							
12.3	OBS	00648	12.33	35.623	27.03		1510.0							
12.3	OBS	00869	08.[illegible]	35.257	27.37		1500.5							
12.3	OBS	T01085	06.50	35.172	27.64		1495.2							
12.3	OBS	T01625	04.63	35.078	27.80		1496.6							
14.5	OBS	T02185	03.64	34.984	27.83		1501.8							
14.5	OBS	02731	03.18	34.964	27.86		1509.2							
14.5	OBS	03273	02.74	34.934	27.88		1516.7							
14.5	OBS	T03755	02.44	35.007	27.96		1523.9							

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REFID 31 2197 YEAR 1973 BOTDP 01569 AIR TEMP 18.8 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 05 SHIP EN WET BULB 16.1 26 4 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 08 N DAY 10 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 10 W HOUR 13.2 AREA 05 CLOUD T/A 3/3 CL/TR /20 WEATHER X1 ORIG E85 007 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	18.56	36.412	26.23		1519.8							
13.2	OBS	00020	18.42	36.393	26.25		1519.7							
13.2	OBS	00039	17.88	36.383	26.38		1518.4							
13.2	OBS	00059	17.81	36.393	26.40		1518.6							
13.2	OBS	00079	17.80	36.398	26.41		1518.9							
13.2	OBS	00119	17.79	36.395	26.41		1519.5							
13.2	OBS	T00162	17.75	36.398	26.42		1520.1							
13.2	OBS	00241	17.70	36.389	26.43		1521.2							
13.2	OBS	00321		36.330										
13.2	OBS	T00404	16.48	36.245	26.61		1520.1							

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TABLE LXIV.—Continued

REFID 31 2197 YEAR 1973 BOTDP 04063 AIR TEMP 18.0 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 05 SHIP EN WET BULB 15.9 31 4 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 11 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 15 W HOUR 12.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E85 008 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	18.63	36.349	26.16		1519.9							
12.7	OBS	00024	18.13	36.390	26.32		1518.9							
12.7	OBS	00049	17.88	36.395	26.39		1518.6							
12.7	OBS	00074	17.83	36.394	26.40		1518.9							
12.7	OBS	00099	17.82	36.397	26.40		1519.3							
12.7	OBS	00149	17.78	36.393	26.41		1520.0							
12.7	OBS	00303	17.02	36.306	26.53		1520.2							
12.7	OBS	00403	16.70	36.274	26.58		1520.8							
12.7	OBS	T00507	15.25	36.036	26.73		1517.8							
12.7	OBS	00607	14.07	35.870	26.86		1515.4							
12.7	OBS	00806	11.04	35.435	27.13		1507.9							
12.7	OBS	T01010	07.92	35.166	27.44		1499.5							
12.7	OBS	T01518	04.82	35.054	27.76		1495.5							

REFID 31 2197 YEAR 1973 BOTDP 03501 AIR TEMP 19.4 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 05 SHIP EN WET BULB 16.3 00 0 0 WIND-SPD 00 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1027.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.7 AREA 05 CLOUD T/A 4/6 CL/TR WEATHER X1 ORIG E85 009 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	19.02	36.407	26.11		1521.1							
12.7	OBS	00025	18.40	36.394	26.26		1519.7							
12.7	OBS	00049	17.91	36.386	26.37		1518.7							
12.7	OBS	00074	17.81	36.386	26.40		1518.8							
12.7	OBS	00099	17.81	36.391	26.40		1519.2							
12.7	OBS	00148	17.74	36.386	26.41		1519.8							
12.7	OBS	T00198	17.71	36.387	26.42		1520.6							
12.7	OBS	00297	17.30	36.357	26.50		1520.9							
12.7	OBS	00396	16.36	36.201	26.60		1519.6							
12.7	OBS	T00495	15.21	36.035	26.74		1517.4							
12.7	OBS	00594	14.19	35.884	26.85		1515.6							
12.7	OBS	00792		35.567										
12.7	OBS	T00990	07.54	35.123	27.46		1497.6							
12.7	OBS	T01486	04.77	35.043	27.76		1494.8							

REFID 31 2197 YEAR 1973 BOTDP 04330 AIR TEMP 20.0 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 05 SHIP EN WET BULB 17.7 18 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 13 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.0 AREA 05 CLOUD T/A 4/7 CL/TR WEATHER X1 ORIG E85 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	19.29	36.420	26.05		1521.8							
13.0	OBS	00025	18.60	36.396	26.21		1520.3							
13.0	OBS	00050	17.81	36.388	26.40		1518.4							
13.0	OBS	00075		36.387										
13.0	OBS	00100	17.79	36.394	26.41		1519.2							
13.0	OBS	00149	17.70	36.382	26.42		1519.7							
13.0	OBS	00204		36.366										
13.0	OBS	00304	17.14	36.335	26.52		1520.6							
13.0	OBS	00403	16.38	36.216	26.61		1519.8							
13.0	OBS	T00508	15.06	36.003	26.75		1517.1							
13.0	OBS	00608	14.19	35.879	26.84		1515.9							
13.0	OBS	00807		35.487										
13.0	OBS	T01011	07.66	35.177	27.48		1498.5							
13.0	OBS	T01520	04.39	35.002	27.77		1493.7							

REFID 31 2197 YEAR 1973 BOTDP 04682 AIR TEMP 20.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 05 SHIP EN WET BULB 19.8 23 2 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 14 DATA USE 1 BAROMETR 1031.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 12.6 AREA 05 CLOUD T/A 4/7 CL/TR /16 WEATHER X1 ORIG E85 011 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	19.27	36.395	26.03		1521.8							
12.6	OBS	00025	18.46	36.388	26.24		1519.9							
12.6	OBS	00049	18.04	36.384	26.34		1519.1							
12.6	OBS	00074	17.95	36.397	26.37		1519.2							
12.6	OBS	00098	17.94	36.389	26.37		1519.6							
12.6	OBS	00147	17.87	36.394	26.39		1520.2							
12.6	OBS	00300	17.18	36.335	26.51		1520.6							
12.6	OBS	00398	16.55	36.237	26.59		1520.2							
12.6	OBS	T00502	15.12	36.014	26.74		1517.3							
12.6	OBS	00600	13.93	35.821	26.85		1514.8							
12.6	OBS	00797	10.60	35.384	27.17		1506.1							
12.6	OBS	T00999	07.12	35.137	27.53		1496.2							
12.6	OBS	T01501	04.48	35.022	27.77		1493.8							

TABLE LXIV.—Continued

REFID 31 2197 YEAR 1973 BOTDP 04217 AIR TEMP 20.3 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 05 SHIP EN WET BULB 19.7 00 0 0 WIND-SPD 05 TRACE DIR 5 SQUARE 2
LAT 34 40 N DAY 15 DATA USE 1 BAROMETR 1032.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 48 W HOUR 12.1 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E85 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	19.53	36.412	25.98		1522.5							
12.1	OBS	00024	18.33	36.354	26.24		1519.5							
12.1	OBS	00048	17.97	36.359	26.34		1518.8							
12.1	OBS	00072	17.74	36.350	26.39		1518.5							
12.1	OBS	00097	17.67	36.362	26.41		1518.8							
12.1	OBS	00145	17.20	36.289	26.47		1518.1							
12.1	OBS	00198		36.313										
12.1	OBS	00295	17.18	36.252	26.45 *		1520.4							
12.1	OBS	00391	15.61	36.073	26.68		1517.0							
12.1	OBS	T00493	14.34	35.909	26.83		1514.5							
12.1	OBS	00590	13.23	35.714	26.92		1512.2							

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REFID 31 2197 YEAR 1973 BOTDP 03539 AIR TEMP 20.8 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 05 SHIP EN WET BULB 19.6 00 0 0 WIND-SPD 03 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1031.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E85 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	19.78	36.408	25.91		1523.2							
12.8	OBS	00025	18.28	36.417	26.30		1519.4							
12.8	OBS	00050	17.88	36.376	26.37		1518.6							
12.8	OBS	00075	17.84	36.376	26.38		1518.9							
12.8	OBS	00100	17.80	36.374	26.39		1519.2							
12.8	OBS	00150	17.54	36.369	26.45		1519.3							
12.8	OBS	00205		36.380										
12.8	OBS	00305	16.93	36.293	26.54		1519.9							
12.8	OBS	00405	16.07	36.155	26.64		1518.8							
12.8	OBS	T00509	14.74	35.943	26.77		1516.1							
12.8	OBS	00609	13.79	35.808	26.87		1514.5							
12.8	OBS	00809		35.244										
12.8	OBS	01014	06.62	35.091	27.56		1494.4							
12.8	OBS	T01523	04.41	35.008	27.77		1493.9							

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REFID 31 2197 YEAR 1973 BOTDP 04845 AIR TEMP 20.9 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 05 SHIP EN WET BULB 19.0 15 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 17 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 8/2 CL/TR /21 WEATHER X1 ORIG E85 014 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	20.26	36.414	25.79		1524.5							
12.8	OBS	00024	18.46	36.391	26.24		1519.9							
12.8	OBS	00073	17.71	36.389	26.42		1518.5							
12.8	OBS	00097	17.65	36.388	26.44		1518.7							
12.8	OBS	00146	17.56	36.385	26.46		1519.3							
12.8	OBS	T00199	17.41	36.367	26.48		1519.7							
12.8	OBS	00297	17.19	36.332	26.51		1520.6							

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REFID 31 2197 YEAR 1973 BOTDP 04136 AIR TEMP 20.9 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 05 SHIP EN WET BULB 19.1 18 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 18 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E85 015 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	20.21	36.410	25.80		1524.4							
12.7	OBS	00021	18.22	36.408	26.31		1519.2							
12.7	OBS	00043	17.98	36.406	26.37		1518.8							
12.7	OBS	00064	17.89	36.400	26.39		1518.9							
12.7	OBS	00085	17.84	36.408	26.41		1519.1							
12.7	OBS	00128	17.72	36.403	26.43		1519.5							
12.7	OBS	T00175	17.55	36.391	26.47		1519.7							
12.7	OBS	00259	17.08	36.330	26.53		1519.6							
12.7	OBS	00345	16.35	36.233	26.63		1518.7							
12.7	OBS	T00434	15.17	36.036	26.75		1516.3							

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TABLE LXIV.—Continued

REFID 31 2197 YEAR 1973 BOTDP 04781 AIR TEMP 21.8 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 05 SHIP EN WET BULB 19.5 18 0 2 WIND-SPD 06 TRACE DIR 5 SQUARE 2
LAT 34 40 N DAY 19 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 46 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E85 016 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	20.58	36.240	25.57		1525.1							
12.7	OBS	00025	18.77	36.289	26.08		1520.6							
12.7	OBS	00050	17.84	36.310	26.33		1518.4							
12.7	OBS	00074	17.38	36.279	26.42		1517.4							
12.7	OBS	00099	17.31	36.284	26.44		1517.6							
12.7	OBS	00149	16.97	36.265	26.51		1517.4							
12.7	OBS	T00204	16.60	36.240	26.58		1517.2							

REFID 31 2197 YEAR 1973 BOTDP 04781 AIR TEMP 21.1 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 05 SHIP EN WET BULB 19.3 20 1 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2
LAT 34 50 N DAY 20 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 50 W HOUR 12.9 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E85 017 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	20.56	36.282	25.61		1525.1							
12.9	OBS	00025	18.29	36.242	26.17		1519.2							
12.9	OBS	00046	17.38	36.249	26.40		1516.9							
12.9	OBS	00071	17.13	36.249	26.46		1516.6							
12.9	OBS	00092	16.94	36.252	26.51		1516.4							
12.9	OBS	00138	16.36	36.190	26.60		1515.3							
12.9	OBS	T00187	15.96	36.128	26.64		1514.8							
12.9	OBS	00274	15.02	35.957	26.72		1513.1							
12.9	OBS	00363	14.31	35.891	26.83		1512.2							
12.9	OBS	T00451	13.36	35.760	26.93		1510.4							
12.9	OBS	00539	12.22	35.578	27.01		1507.8							
12.9	OBS	00716		35.234										
12.9	OBS	T00885	07.27	35.164	27.53		1496.9							
12.9	OBS	T01294	04.64	34.998	27.74		1491.0							

REFID 31 2197 YEAR 1973 BOTDP 04821 AIR TEMP 20.2 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 05 SHIP EN WET BULB 18.3 36 4 2 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 34 40 N DAY 21 DATA USE 1 BAROMETR 1010.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.2 AREA 05 CLOUD T/A 6/7 CL/TR /20 WEATHER X1 ORIG E85 018 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.21	36.087	25.55		1524.0							
12.2	OBS	00030	18.53	36.352	26.19		1520.1							
12.2	OBS	00055	17.46	36.303	26.42		1517.4							
12.2	OBS	00084	17.34	36.348	26.48		1517.6							
12.2	OBS	00109	17.17	36.304	26.49		1517.4							
12.2	OBS	00163	16.93	36.294	26.54		1517.6							
12.2	OBS	T00217	16.47	36.233	26.60		1517.0							
12.2	OBS	00326		36.064										
12.2	OBS	00434	14.24	35.877	26.83		1513.2							
12.2	OBS	T00542	13.03	35.694	26.94		1510.7							
12.2	OBS	00650	11.29	35.442	27.08		1506.2							
12.2	OBS	00871		35.158										
12.2	OBS	T01089	05.77	35.104	27.69		1492.3							
12.2	OBS	T01636	04.25	34.978	27.76		1495.1							
14.2	OBS	T01730	04.19	34.995	27.78		1496.4							
14.2	OBS	T02173	03.65	34.971	27.82		1501.6							
14.2	OBS	02645	03.25	34.945	27.84		1508.0							
14.2	OBS	T03112	02.83	34.925	27.86		1514.3							
14.2	OBS	T03342	02.69	34.915	27.87		1517.7							

REFID 31 2197 YEAR 1973 BOTDP 05026 AIR TEMP 18.8 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 05 SHIP EN WET BULB 16.5 20 4 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4
LAT 35 20 N DAY 22 DATA USE 1 BAROMETR 1016.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 049 45 W HOUR 12.6 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E85 019 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	20.32	36.403	25.76		1524.6							
12.6	OBS	00024	18.86	36.459	26.19		1521.1							
12.6	OBS	00048	18.26	36.418	26.31		1519.7							
12.6	OBS	00072	17.97	36.389	26.36		1519.3							
12.6	OBS	00097	17.88	36.385	26.38		1519.4							
12.6	OBS	00145	17.75	36.385	26.41		1519.8							
12.6	OBS	T00198	17.59	36.369	26.44		1520.2							
12.6	OBS	00294	17.13	36.338	26.53		1520.4							
12.6	OBS	00390	16.59	36.249	26.59		1520.2							
12.6	OBS	T00492	15.36	36.047	26.72		1517.9							
12.6	OBS	T00589	14.35	35.905	26.83		1516.1							
12.6	OBS	00783	11.71	35.517	27.06		1510.0							
12.6	OBS	T00982	08.26	35.210	27.42		1500.4							
12.6	OBS	T01484	04.57	35.009	27.75		1493.9							

TABLE LXV.–Observed and interpolated oceanographic data for stations taken by USCGC BOUTWELL at Ocean Station ECHO, 23 May 1973 - 12 June 1973, prepared from NODC listing No. 31 - 2219.

REFID 31 2219 YEAR 1973 BOTDP 02816 AIR TEMP 19.4 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 05 SHIP OU WET BULB 16.0 06 3 3 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 20 N DAY 23 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 049 17 W HOUR 12.2 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E86 001 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	20.28	36.438	25.80		1524.6							
12.2	OBS	00024	18.99	36.473	26.17		1521.5							
12.2	OBS	00048	18.38	36.456	26.31		1520.1							
12.2	OBS	00073	17.98	36.432	26.39		1519.3							
12.2	OBS	00097	17.88	36.405	26.39		1519.4							
12.2	OBS	00146	17.83	36.397	26.40		1520.1							
12.2	OBS	T00200	17.73	36.391	26.42		1520.7							
12.2	OBS	00298	17.09	36.327	26.53		1520.3							
12.2	OBS	00398	16.70	36.269	26.58		1520.7							
12.2	OBS	00503	15.24	36.040	26.74		1517.7							
12.2	OBS	T00602	14.34	35.913	26.84		1516.3							
12.2	OBS	T00802	12.39	35.661	27.04		1512.8							
12.2	OBS	T01007	08.49	35.237	27.40		1501.7							
12.2	OBS	T01517	04.85	35.055	27.76		1495.6							

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REFID 31 2219 YEAR 1973 BOTDP 03292 AIR TEMP 20.2 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 05 SHIP OU WET BULB 18.7 07 4 3 WIND-SPD 13 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 24 DATA USE 1 BAROMETR 1018.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 03 W HOUR 12.6 AREA 05 CLOUD T/A 6/3 CL/TR /25 WEATHER X1 ORIG E86 002 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	C0000	20.21	36.242	25.67		1524.2							
12.6	OBS	00024	18.67	36.322	26.13		1520.4							
12.6	OBS	00048	18.03	36.311	26.29		1518.9							
12.6	OBS	00072	17.59	36.354	26.43		1518.1							
12.6	OBS	00096	17.07	36.281	26.50		1516.9							
12.6	OBS	00144	17.02	36.290	26.52		1517.5							
12.6	OBS	T00197	16.63	36.243	26.57		1517.2							
12.6	OBS	00293	15.74	36.102	26.67		1515.9							
12.6	OBS	00389	14.55	35.924	26.80		1513.5							
12.6	OBS	T00490	13.25	35.744	26.94		1510.7							
12.6	OBS	T00586	12.04	35.577	27.05		1508.0							
12.6	OBS	00780	08.74	35.211	27.34		1498.8							
12.6	OBS	T00979	06.24	35.084	27.61		1492.3							
12.6	OBS	T01476	04.38	35.015	27.78		1493.0							

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REFID 31 2219 YEAR 1973 BOTDP 05029 AIR TEMP (20.2 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 05 SHIP OU WET BULB 17.5 29 3 4 WIND-SPD 04 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 12.9 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E86 003 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	20.58	36.251	25.58		1525.2							
12.9	OBS	00025	19.34	36.281	25.93		1522.2							
12.9	OBS	00050	18.20	36.295	26.23		1519.4							
12.9	OBS	00075	17.72	36.309	26.36		1518.5							
12.9	OBS	00100	17.26	36.297	26.46		1517.5							
12.9	OBS	00150	17.03	36.281	26.51		1517.6							

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REFID 31 2219 YEAR 1973 BOTDP 04206 AIR TEMP 21.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 05 SHIP OU WET BULB 20.0 24 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 26 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 12.9 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E86 004 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	20.41	36.326	25.68		1524.8							
12.9	OBS	00025	19.66	36.309	25.87		1523.1							
12.9	OBS	00050	17.97	36.308	26.30		1518.8							
12.9	OBS	00075	17.31	36.287	26.44		1517.2							
12.9	OBS	00100	17.20	36.309	26.49		1517.4							
12.9	OBS	00150	17.02	36.283	26.51		1517.6							
12.9	OBS	T00205	16.67	36.242	26.56		1517.4							
12.9	OBS	00305	15.77	36.102	26.66		1516.1							
12.9	OBS	00405	14.57	35.898	26.78		1513.8							
12.9	OBS	00510	13.55	35.795	26.91		1512.1							
12.9	OBS	T00610	11.92	35.545	27.05		1507.9							
12.9	OBS	00810	08.53	35.166	27.34		1498.5							
12.9	OBS	T01015	05.70	35.023	27.63		1490.7							
12.9	OBS	T01525	04.39	35.012	27.78		1493.7							

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TABLE LXV.—Continued

REFID 31 2219 YEAR 1973 BOTDP 04206 AIR TEMP 22.0 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 05 SHIP OU WET BULB 20.6 19 3 2 WIND-SPD 22 TRACE DIR 5 SQUARE 4
LAT 35 05 N DAY 27 DATA USE 1 BAROMETR 1018.9 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 58 W HOUR 15.7 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E86 005 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.7	OBS	00000	20.72	36.317	25.59		1525.6							
15.7	OBS	00025	18.72	36.317	26.12		1520.5							
15.7	OBS	00045	18.06	36.299	26.27		1519.0							
15.7	OBS	00070	17.60	36.303	26.39		1518.0							
15.7	OBS	00090	17.38	36.290	26.43		1517.7							
15.7	OBS	00139	17.13	36.276	26.48		1517.8							
15.7	OBS	T00183	17.00	36.279	26.51		1518.1							
15.7	OBS	00270	16.38	36.199	26.60		1517.6							
15.7	OBS	00353	15.49	36.039	26.68		1516.0							
15.7	OBS	00433	14.43	35.835	26.76		1513.7							
15.7	OBS	T00510	13.70	35.791	26.88		1512.5							
15.7	OBS	T00661	11.57	35.500	27.08		1507.5							
15.7	OBS	00812	08.95	35.221	27.32		1500.2							
15.7	OBS	T01193	05.02	35.015	27.71		1490.9							

REFID 31 2219 YEAR 1973 BOTDP 04206 AIR TEMP 20.2 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 05 SHIP OU WET BULB 19.8 21 3 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 28 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 04 W HOUR 12.7 AREA 05 CLOUD T/A 6/8 CL/TR /L7 WEATHER X6 ORIG E86 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	OBS	00000	20.32	36.376	25.74		1524.6							
12.7	OBS	00024	18.62	36.426	26.23		1520.4							
12.7	OBS	00047	18.01	36.412	26.37		1519.0							
12.7	OBS	00070	17.96	36.414	26.38		1519.2							
12.7	OBS	00093	17.81	36.420	26.42		1519.2							
12.7	OBS	00140	17.80											
12.7	OBS	00191	17.66	36.392	26.44		1520.3							
12.7	OBS	00286	17.42	36.380	26.49		1521.1							
12.7	OBS	00380	16.76	36.277	26.57		1520.6							
12.7	OBS	00480	15.60	36.081	26.69		1518.5							
12.7	OBS	T00575	13.70	35.811	26.89		1513.6							
12.7	OBS	T00766	09.95	35.272	27.19		1503.1							
12.7	OBS	T00966	06.83	35.074	27.52		1494.4							
12.7	OBS	T01471	04.40	35.025	27.78		1493.0							

REFID 31 2219 YEAR 1973 BOTDP 04389 AIR TEMP 19.2 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206
CONSEC 0007 MONTH 05 SHIP OU WET BULB 18.0 33 3 3 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 35 08 N DAY 29 DATA USE 1 BAROMETR 1019.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 55 W HOUR 13.0 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E86 007 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	20.30	36.283	25.68		1524.4							
13.0	OBS	00022	20.04	36.283	25.75		1524.1							
13.0	OBS	00044	18.53	36.390	26.22		1520.4							
13.0	OBS	00066	17.90	36.395	26.38		1519.0							
13.0	OBS	00088	17.77	36.388	26.41		1518.9							
13.0	OBS	00132	17.61	36.384	26.45		1519.2							
13.0	OBS	T00180	17.46	36.371	26.47		1519.5							
13.0	OBS	00266	17.26	36.340	26.50		1520.3							
13.0	OBS	00352	16.67	36.260	26.58		1519.9							
13.0	OBS	T00443	15.66	36.079	26.68		1518.0							
13.0	OBS	T00530	14.05	35.829	26.83		1514.1							
13.0	OBS	00703	11.58	35.507	27.08		1508.2							
13.0	OBS	T00880	08.70	35.292	27.41		1500.4							
13.0	OBS	T01325	04.90	35.063	27.76		1492.6							

REFID 31 2219 YEAR 1973 BOTDP 04114 AIR TEMP 20.2 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206
CONSEC 0008 MONTH 05 SHIP OU WET BULB 18.8 33 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 07 N DAY 30 DATA USE 1 BAROMETR 1021.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 59 W HOUR 13.1 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E86 008 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	20.36	36.243	25.63		1524.6							
13.1	OBS	00020	20.21	36.260	25.68		1524.5							
13.1	OBS	00040	18.26	36.395	26.29		1519.6							
13.1	OBS	00050	17.98	36.398	26.36		1518.9							
13.1	OBS	00080	17.87	36.392	26.35		1519.1							
13.1	OBS	00119	17.79	36.391	26.41		1519.5							
13.1	OBS	T00163	17.71	36.396	26.43		1520.0							
13.1	OBS	00239	17.54	36.383	26.46		1520.7							
13.1	OBS	00315	17.37	36.368	26.49		1521.5							
13.1	OBS	00394	16.73	36.270	26.57		1520.7							
13.1	OBS	T00466	16.06	36.143	26.63		1519.7							
13.1	OBS	T00608	14.21	35.861	26.82		1515.9							
13.1	OBS	00755		35.401										
13.1	OBS	T01116	06.00	35.101	27.65		1493.6							

TABLE LXV.—Continued

REFID 31 2219 YEAR 1973 BOTDP AIR TEMP 21.0 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0009 MONTH 06 SHIP OU WET BULB 18.6 17 2 3 WIND-SPD 13 TRACE DIR 5 SQUARE 2
LAT 33 15 N DAY 01 DATA USE 1 BAROMETR 1029.6 SEA WIND-FOR DURATION 2 SQUARE 26
LONG 046 10 W HOUR 17.3 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 ORIG E86 009 1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.3	OBS	00000	21.69	35.968	25.06		1527.8							
17.3	OBS	00025	18.79	36.344	26.12		1520.8							
17.3	OBS	00046	17.76	36.340	26.37		1518.2							
17.3	OBS	00072	17.41	36.333	26.45		1517.6							
17.3	OBS	00094	17.19	36.308	26.49		1517.2							
17.3	OBS	00137	16.90	36.298	26.55		1517.1							
17.3	OBS	T00186	16.51	36.246	26.60		1516.6							
17.3	OBS	00278	15.35	36.058	26.73		1514.3							
17.3	OBS	00372	14.22	35.896	26.85		1512.1							
17.3	OBS	T00466	13.04	35.730	26.97		1509.6							
17.3	OBS	00555	11.47	35.506	27.10		1505.4							
17.3	OBS	T00750	07.86	35.182	27.46		1495.0							
17.3	OBS	00903	06.79	35.242	27.66		1493.4							
17.3	OBS	T01443	04.22	35.007	27.79		1491.7							

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REFID 31 2219 YEAR 1973 BOTDP 04480 AIR TEMP 20.9 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206
CONSEC 0010 MONTH 06 SHIP OU WET BULB 18.2 14 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 00 W HOUR 13.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E86 010 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	21.13	36.316	25.48		1526.7							
13.2	OBS	00032	19.56	36.350	25.92		1523.0							
13.2	OBS	00059	17.98	36.387	26.36		1519.1							
13.2	OBS	00090	17.78	36.392	26.41		1519.0							
13.2	OBS	00118	17.67	36.382	26.43		1519.1							
13.2	OBS	00176	17.59	36.391	26.46		1519.9							
13.2	OBS	T00235	17.54	36.396	26.47		1520.7							
13.2	OBS	00353	17.09	36.338	26.54		1521.2							
13.2	OBS	00470	15.82	36.108	26.66		1519.0							
13.2	OBS	T00592	13.62	35.766	26.88		1513.6							
13.2	OBS	T00710	10.35	35.327	27.17		1503.7							
13.2	OBS	00965	07.52	35.261	27.57		1497.0							
13.2	OBS	T01180	05.01	35.018	27.71		1490.6							
13.2	OBS	T01773	04.09	35.007	27.80		1496.7							

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REFID 31 2219 YEAR 1973 BOTDP 03658 AIR TEMP 21.3 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206
CONSEC 0011 MONTH 06 SHIP OU WET BULB 19.2 18 4 3 WIND-SPD 23 TRACE DIR 5 SQUARE 4
LAT 35 10 N DAY 03 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 15 W HOUR 13.7 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG E86 011 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	20.97	36.356	25.55		1526.3							
13.7	OBS	00020	19.81	36.362	25.87		1523.5							
13.7	OBS	00036	18.15	36.385	26.31		1519.2							
13.7	OBS	00055	18.15	36.389	26.32		1519.5							
13.7	OBS	00072	17.83	36.400	26.40		1518.9							
13.7	OBS	00108	17.66	36.393	26.44		1518.9							
13.7	OBS	T00144	17.52	36.381	26.46		1519.1							
13.7	OBS	00216	17.35	36.365	26.49		1519.8							
13.7	OBS	00288	17.04	36.331	26.54		1520.0							
13.7	OBS	T00361	16.54	36.258	26.61		1519.6							
13.7	OBS	T00434	15.78	36.125	26.68		1518.3							
13.7	OBS	T00583	14.03	35.861	26.86		1514.9							

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REFID 31 2219 YEAR 1973 BOTDP 04389 AIR TEMP 19.4 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0012 MONTH 06 SHIP OU WET BULB 19.1 18 3 4 WIND-SPD 30 TRACE DIR 5 SQUARE 2
LAT 34 55 N DAY 04 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 56 W HOUR 13.5 AREA 05 CLOUD T/A 7/8 CL/TR /16 WEATHER X6 ORIG E86 012 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	OBS	00000	20.97	36.276	25.49		1526.2							
13.5	OBS	00024	19.55	36.356	25.93		1522.9							
13.5	OBS	00047	18.28	36.383	26.28		1519.7							
13.5	OBS	00070	17.95	36.399	26.37		1519.2							
13.5	OBS	00094	17.77	36.392	26.41		1519.0							
13.5	OBS	00141	17.63	36.392	26.45		1519.4							
13.5	OBS	T00192	17.52	36.389	26.47		1519.9							
13.5	OBS	00287	17.32	36.356	26.49		1520.8							
13.5	OBS	00381	16.83	36.303	26.57		1520.9							
13.5	OBS	T00481	15.30	36.021	26.71		1517.5							
13.5	OBS	T00577	13.53	35.693	26.84		1513.0							
13.5	OBS	00770	09.78	35.298	27.24		1502.6							
13.5	OBS	T00969	07.31	35.232	27.58		1496.5							
13.5	OBS	T01472	04.33	34.994	27.77		1492.7							

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TABLE LXV.—Continued

REFID 31 2219 YEAR 1973 BOTDP 04755 AIR TEMP 21.0 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0013 MONTH 06 SHIP OU WET BULB 19.0 07 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 35 02 N DAY 05 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 17 W HOUR 12.2 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E86 013 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	21.09	36.292	25.47		1526.6							
12.2	OBS	00025	18.33	36.370	26.26		1519.5							
12.2	OBS	00049	18.01	36.346	26.32		1518.9							
12.2	OBS	00074	17.82	36.347	26.37		1518.8							
12.2	OBS	00099	17.76	36.387	26.41		1519.1							
12.2	OBS	00148	17.61	36.383	26.44		1519.4							
12.2	OBS	T00203	17.50	36.378	26.47		1520.0							
12.2	OBS	00301	17.06	36.316	26.53		1520.3							
12.2	OBS	00400	16.25	36.187	26.62		1519.3							
12.2	OBS	T00504	15.02	35.969	26.73		1516.9							
12.2	OBS	T00602	13.43	35.746	26.90		1513.1							
12.2	OBS	T00800	09.13	35.201	27.27		1500.6							
12.2	OBS	T01003	06.37	35.098	27.60		1493.2							
12.2	OBS	T01507	04.36	35.000	27.77		1493.4							

REFID 31 2219 YEAR 1973 BOTDP 04389 AIR TEMP 21.3 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0014 MONTH 06 SHIP OU WET BULB 20.1 25 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2
LAT 34 54 N DAY 06 DATA USE) BAROMETR 1021.1 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 57 W HOUR 12.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E86 014 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	21.08	36.287	25.47		1526.5							
12.5	OBS	00026	18.36	36.397	26.27		1519.6							
12.5	OBS	00048	18.07	36.404	26.35		1519.2							
12.5	OBS	00075	17.87	36.400	26.39		1519.0							
12.5	OBS	00097	17.80	36.392	26.40		1519.2							
12.5	OBS	00145	17.62	36.386	26.44		1519.4							
12.5	OBS	T00194	17.56	36.404	26.47		1520.1							
12.5	OBS	00293	17.33	36.378	26.51		1521.0							
12.5	OBS	00392	16.84	36.304	26.57		1521.1							
12.5	OBS	T00493	15.25	36.035	26.73		1517.5							
12.5	OBS	T00589	13.64	35.745	26.86		1513.6							
12.5	OBS	00804	09.34	35.213	27.25		1501.5							
12.5	OBS	T01014	06.80	35.192	27.62		1495.2							
12.5	OBS	T01555	04.30	35.004	27.78		1493.9							

REFID 31 2219 YEAR 1973 BOTDP 04206 AIR TEMP 18.0 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206
CONSEC 0015 MONTH 06 SHIP OU WET BULB 14.3 02 3 2 WIND-SPD 20 TRACE DIR 5 SQUARE 2
LAT 34 48 N DAY 07 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 11 W HOUR 12.6 AREA 05 CLOUD T/A 6/6 CL/TR /21 WEATHER X1 ORIG E86 015 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	20.74	36.342	25.60		1525.7							
12.6	OBS	00026	18.62	36.404	26.21		1520.4							
12.6	OBS	00048	17.94	36.402	26.38		1518.8							
12.6	OBS	00074	17.76	36.396	26.42		1518.7							
12.6	OBS	00096	17.64	36.398	26.45		1518.7							
12.6	OBS	00144	17.58	36.404	26.47		1519.3							
12.6	OBS	T00193	17.55	36.411	26.48		1520.0							
12.6	OBS	00291	17.37	36.379	26.50		1521.1							
12.6	OBS	00390	16.47	36.235	26.60		1519.8							
12.6	OBS	T00489	14.91	35.952	26.74		1516.3							
12.6	OBS	T00589	13.50	35.762	26.90		1513.1							
12.6	OBS	T00794	09.56	35.267	27.25		1502.2							
12.6	OBS	T00994	07.17	35.214	27.58		1496.4							
12.6	OBS	T01503	04.56	35.036	27.78		1494.2							

REFID 31 2219 YEAR 1973 BOTDP 03840 AIR TEMP 18.6 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206
CONSEC 0016 MONTH 06 SHIP OU WET BULB 14.0 36 3 3 WIND-SPD 12 TRACE DIR 5 SQUARE 4
LAT 35 03 N DAY 08 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 13 W HOUR 12.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X1 ORIG E86 016 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	20.77	36.346	25.60		1525.8							
12.5	OBS	00028	18.38	36.396	26.26		1519.7							
12.5	OBS	00051	18.03	36.398	26.35		1519.1							
12.5	OBS	00078	17.79	36.397	26.41		1518.8							
12.5	OBS	00101	17.71	36.399	26.43		1519.0							
12.5	OBS	00152	17.60	36.392	26.45		1519.5							
12.5	OBS	T00202	17.52	36.399	26.48		1520.1							
12.5	OBS	00302	17.32	36.365	26.50		1521.1							
12.5	OBS	00403	16.51	36.249	26.61		1520.2							
12.5	OBS	T00503	14.99	35.979	26.75		1516.8							
12.5	OBS	T00602	13.62	35.785	26.89		1513.8							
12.5	OBS	00805	09.73	35.273	27.23		1503.0							
12.5	OBS	01003	06.94	35.197	27.60		1495.6							
12.5	OBS	T01490	04.32											

TABLE LXV.—Continued

REFID 31 2219 YEAR 1973 BOTDP 04718 AIR TEMP 20.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206
CONSEC 0017 MONTH 06 SHIP OU WET BULB 14.3 36 4 4 WIND-SPD 00 TRACE DIR 5 SQUARE 2
LAT 36 56 N DAY 09 DATA USE L BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 01 W HOUR 13.2 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER XL ORIG E86 017 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	20.99	36.352	25.54		1526.4							
13.2	OBS	00024	18.62	36.352	26.17		1520.3							
13.2	OBS	00047	17.98	36.403	26.37		1518.9							
13.2	OBS	00071	17.85	36.400	26.40		1518.9							
13.2	OBS	00095	17.78	36.409	26.42		1519.1							
13.2	OBS	00142	17.68	36.400	26.44		1519.6							
13.2	OBS	T00194	17.57	36.389	26.46		1520.1							
13.2	OBS	00289	17.39	36.373	26.49		1521.1							
13.2	OBS	00382	16.80	36.300	26.58		1520.8							
13.2	OBS	T00478	15.10	35.980	26.72		1516.8							
13.2	OBS	T00568	14.17	35.869	26.84		1515.1							
13.2	OBS	T00746	09.62	35.239	27.22		1501.6							
13.2	OBS	T00930	07.39	35.242	27.57		1496.2							
13.2	OBS	T01387	04.77	35.040	27.75		1493.1							

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REFID 31 2219 YEAR 1973 BOTDP 04755 AIR TEMP 20.0 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206
CONSEC 0018 MONTH 06 SHIP OU WET BULB 17.9 16 2 2 WIND-SPD 07 TRACE DIR 5 SQUARE 2
LAT 36 55 N DAY 10 DATA USE L BAROMETR 1022.3 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 13.1 AREA 05 CLOUD T/A 1/6 CL/TR WEATHER XL ORIG E86 018 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	20.97	36.219	25.45		1526.2							
13.1	OBS	00025	19.21	36.373	26.03		1522.0							
13.1	OBS	00050	18.04	36.386	26.34		1519.1							
13.1	OBS	00075	17.82	36.388	26.40		1518.9							
13.1	OBS	00100	17.73	36.386	26.42		1519.0							
13.1	OBS	00150	17.58	36.381	26.45		1519.4							
13.1	OBS	T00205	17.53	36.389	26.47		1520.2							
13.1	OBS	00305	17.27	36.345	26.50		1521.0							
13.1	OBS	00405	16.77	36.301	26.58		1521.1							
13.1	OBS	T00510	14.81	35.931	26.75		1516.3							
13.1	OBS	T00610	13.51	35.749	26.89		1513.5							
13.1	OBS	00810	08.74	35.176	27.32		1499.3							
13.1	OBS	T01015	06.92	35.226	27.63		1495.8							
13.1	OBS	T01525	04.46	35.006	27.76		1494.1							

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REFID 31 2219 YEAR 1973 BOTDP 04114 AIR TEMP 21.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206
CONSEC 0019 MONTH 06 SHIP OU WET BULB 20.5 16 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 35 00 N DAY 11 DATA USE L BAROMETR 1019.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 05 W HOUR 12.9 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER XL ORIG E86 019 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	OBS	00000	21.20	36.336	25.47		1526.9							
12.9	OBS	00024	20.54	36.355	25.67		1525.6							
12.9	OBS	00045	18.06	36.381	26.33		1519.1							
12.9	OBS	00069	17.84	36.382	26.39		1518.8							
12.9	OBS	00088	17.73	36.387	26.42		1518.8							
12.9	OBS	00132	17.62	36.379	26.44		1519.2							
12.9	OBS	T00176	17.52	36.377	26.46		1519.6							
12.9	OBS	00262	17.38	36.357	26.48		1520.6							
12.9	OBS	00348	16.95	36.312	26.55		1520.7							
12.9	OBS	00433	15.90	36.135	26.66		1518.7							
12.9	OBS	T00518	14.80	35.960	26.77		1516.4							
12.9	OBS	T00699	11.49	35.493	27.09		1507.8							
12.9	OBS	T00889	07.96	35.150	27.42		1497.6							
12.9	OBS	T01380	04.52	35.006	27.76		1491.9							

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REFID 31 2219 YEAR 1973 BOTDP 04938 AIR TEMP 21.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1207
CONSEC 0020 MONTH 06 SHIP OU WET BULB 18.8 25 3 2 WIND-SPD 17 TRACE DIR 5 SQUARE 3
LAT 36 45 N DAY 12 DATA USE L BAROMETR 1017.7 SEA WIND-FOR DURATION 2 SQUARE 60
LONG 050 06 W HOUR 13.0 AREA 05 CLOUD T/A 0/7 CL/TR /24 WEATHER XL ORIG E86 020 1 SQUARE 60

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	21.03	36.421	25.59		1526.6							
13.0	OBS	00026	20.98	36.420	25.60		1526.8							
13.0	OBS	00047	18.89	36.410	26.14		1521.5							
13.0	OBS	00073	18.20	36.389	26.30		1519.9							
13.0	OBS	00095	17.90	36.394	26.38		1519.4							
13.0	OBS	00142	17.67	36.387	26.43		1519.5							
13.0	OBS	T00195	17.54	36.382	26.46		1520.0							
13.0	OBS	00285	17.22	36.355	26.52		1520.5							
13.0	OBS	00380	16.54	36.235	26.59		1519.9							
13.0	OBS	T00476	15.53	36.084	26.71		1518.2							
13.0	OBS	T00571	14.28	35.887	26.83		1515.6							
13.0	OBS	00766	10.88	35.414	27.14		1506.7							
13.0	OBS	T00958	07.64	35.123	27.44		1497.5							
13.0	OBS	T01444	04.61	35.020	27.76		1493.4							

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TABLE LXVI.--Observed and interpolated oceanographic data for stations taken by USCGC INGHAM at Ocean Station ECHO, 12 June 1973 - 30 June 1973, prepared from NODC listing No. 31 - 2221.

REFID 31 2221 YEAR 1973 BOTDP 03665 AIR TEMP 22.2 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206
CONSEC 0001 MONTH 06 SHIP IN WET BULB 20.8 25 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 36 30 N DAY 14 DATA USE 1 BAROMETR 1018.4 SEA WIND-FOR DURATION 2 SQUARE 68
LONG 048 45 W HOUR 12.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E87 001 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	20.70	36.344	25.62		1525.6	05.18						
12.1	OBS	00029	19.49	36.385	25.97		1522.8	05.60						
12.1	OBS	00053	18.12	36.411	26.34		1519.4	05.42						
12.1	OBS	00081	17.85	36.404	26.40		1519.1	05.06						
12.1	OBS	00105	17.77	36.402	26.42		1519.2	04.99						
12.1	OBS	00157	17.69	36.400	26.44		1519.8	05.02						
12.1	OBS	T00209	17.54	36.390	26.47		1520.2	04.95						
12.1	OBS	00312	17.26	36.357	26.51		1521.1	04.80						
12.1	OBS	T00415	16.80	36.303	26.58		1521.3	04.63						
12.1	OBS	00523	15.58	36.098	26.71		1519.1	04.78						
12.1	OBS	T00629	14.64	35.964	26.81		1517.8	04.81						
12.1	OBS	T00847	11.73	35.523	27.06		1511.1	04.12						
12.1	OBS	01073	07.40	35.091	27.45		1498.4	04.01						
12.1	OBS	T01660	04.37	35.000	27.77		1496.0	05.78						

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REFID 31 2221 YEAR 1973 BOTDP 04360 AIR TEMP 21.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206
CONSEC 0002 MONTH 06 SHIP IN WET BULB 20.0 23 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4
LAT 36 40 N DAY 15 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 2 SQUARE 68
LONG 048 09 W HOUR 12.0 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E87 002 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	20.20	36.314	25.73		1524.2	05.23						
12.0	OBS	00029	20.10	36.316	25.76		1524.4	05.18						
12.0	OBS	00053	18.35	36.397	26.27		1520.0	05.49						
12.0	OBS	00080	17.82	36.395	26.40		1519.0	05.00						
12.0	OBS	00104	17.78	36.400	26.42		1519.2	04.99						
12.0	OBS	00154	17.66	36.397	26.44		1519.7	05.05						
12.0	OBS	T00204	17.51	36.382	26.47		1520.1	04.95						
12.0	OBS	00303	17.01	36.318	26.54		1520.1	04.92						
12.0	OBS	T00400	16.82	36.303	26.57		1521.1	04.94						
12.0	OBS	00498	15.93	36.179	26.69		1519.9	04.99						
12.0	OBS	T00591	15.36	36.099	26.76		1519.6	04.86						
12.0	OBS	T00780	13.72	35.848	26.92		1517.1	05.06						
12.0	OBS	T01500	04.73	35.068	27.78		1494.9	05.35						

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REFID 31 2221 YEAR 1973 BOTDP 04837 AIR TEMP 23.6 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206
CONSEC 0003 MONTH 06 SHIP IN WET BULB 21.6 10 3 3 WIND-SPD 19 TRACE DIR 5 SQUARE 2
LAT 33 41 N DAY 23 DATA USE 1 BAROMETR 1024.9 SEA WIND-FOR DURATION 2 SQUARE 28
LONG 049 46 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR /22 WEATHER X1 ORIG E87 003 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.89	36.303	25.26		1528.7	05.02						
12.0	OBS	00032	21.22	36.315	25.45		1527.5	05.12						
12.0	OBS	00059	18.21	36.399	26.31		1519.7	05.08						
12.0	OBS	00090	17.82	36.400	26.41		1519.1	04.95						
12.0	OBS	00118	17.78	36.401	26.42		1519.5	04.96						
12.0	OBS	00177	17.74	36.399	26.42		1520.3	05.00						
12.0	OBS	00223	17.43	36.374	26.48		1520.1	04.82						
12.0	OBS	00348	16.66	36.265	26.58		1519.8	04.56						
12.0	OBS	T00463	14.72	35.936	26.77		1515.2	04.48						
12.0	OBS	T00581	12.87	35.637	26.93		1510.8	03.76						
12.0	OBS	T00695	09.89	35.244	27.18		1501.7	03.34						
12.0	OBS	00927	06.64	35.119	27.58		1493.1	04.54						
12.0	OBS	T01167	05.46	35.121	27.74		1492.3	05.21						

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TABLE LXVI.—Continued

REFID 31 2221 YEAR 1973 BOTDP 04530 AIR TEMP 22.9 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206
CONSEC 0004 MONTH 06 SHIP IN WET BULB 20.0 08 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2
LAT 34 30 N DAY 24 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 34 W HOUR 11.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E87 004 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	22.57	36.300	25.06		1530.4	05.04						
11.9	OBS	00024	21.47	36.296	25.37		1528.0	05.30						
11.9	OBS	00048	18.26	36.325	26.24		1519.6	05.61						
11.9	OBS	00071	17.65	36.318	26.38		1518.2	05.38						
11.9	OBS	00095	17.50	36.326	26.43		1518.2	05.14						
11.9	OBS	00141	17.18	36.318	26.50		1518.0	04.90						
11.9	OBS	T00192	16.94	36.303	26.55		1518.1	04.84						
11.9	OBS	00282	16.13	36.167	26.63		1517.0	04.64						
11.9	OBS	T00370	14.81	35.937	26.75		1514.0	04.88						
11.9	OBS	T00460	13.54	35.756	26.89		1511.1	03.96						
11.9	OBS	T00544	12.69	35.670	26.99		1509.6	04.68						
11.9	OBS	T00714	09.86	35.290	27.22		1502.0	03.71						
11.9	OBS	T00881	07.52	35.190	27.51		1495.8	04.24						
11.9	OBS	T01216	04.67	35.015	27.75		1489.8	05.54						
11.9	OBS	T01630	04.07	34.974	27.78		1494.2	05.94						
14.6	OBS	T02095	03.80	34.980	27.81		1501.0	05.93						
14.6	OBS	T02558	03.33	34.964	27.85		1506.9	05.92						
14.6	OBS	03018	02.95	34.934	27.86		1513.2	05.88						
14.6	OBS	03477	02.58	34.906	27.87		1519.5	05.97						
14.6	OBS	T03556	02.51	34.909	27.88		1520.6	05.94						
14.6	OBS	03638	02.45	34.899	27.88		1521.8	06.02						

REFID 31 2221 YEAR 1973 BOTDP 04689 AIR TEMP 21.9 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206
CONSEC 0005 MONTH 06 SHIP IN WET BULB 19.1 06 3 2 WIND-SPD 18 TRACE DIR 5 SQUARE 2
LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 12 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR /19 WEATHER X1 ORIG E87 005 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	21.68	36.372	25.37		1528.2	05.14						
12.2	OBS	00024	20.90	36.353	25.57		1526.5	05.32						
12.2	OBS	00045	18.58	36.389	26.21		1520.6	05.64						
12.2	OBS	00069	18.10	36.406	26.34		1519.6	05.33						
12.2	OBS	00089	17.86	36.402	26.40		1519.2	05.09						
12.2	OBS	00134	17.73	36.392	26.42		1519.6	05.05						
12.2	OBS	00178	17.60	36.387	26.45		1519.9	05.04						
12.2	OBS	00267	17.41	36.375	26.49		1520.8	04.88						
12.2	OBS	T00355	16.80	36.297	26.57		1520.3	04.56						
12.2	OBS	00446	15.71	36.078	26.66		1518.3	04.99						
12.2	OBS	T00534	14.88	35.978	26.77		1517.0	04.66						
12.2	OBS	00707	11.35	35.433	27.07		1507.4	03.53						
12.2	OBS	T00879	07.96	35.106	27.38		1497.4	03.86						
12.2	OBS	T01350	04.71	35.024	27.75		1492.2	05.73						

REFID 31 2221 YEAR 1973 BOTDP 03109 AIR TEMP 22.1 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206
CONSEC 0006 MONTH 06 SHIP IN WET BULB 19.1 07 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 2
LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1030.5 SEA WIND-FOR DURATION 2 SQUARE 48
LONG 048 30 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E87 006 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	21.88	36.352	25.30		1528.7	05.09						
12.2	OBS	00023	20.88	36.359	25.58		1526.5	05.10						
12.2	OBS	00041	18.51	36.391	26.23		1520.3	05.44						
12.2	OBS	00062	17.82	36.391	26.40		1518.7	05.00						
12.2	OBS	00081	17.77	36.396	26.41		1518.8	05.02						
12.2	OBS	00123	17.71	36.399	26.43		1519.3	05.04						
12.2	OBS	00164	17.55	36.395	26.47		1519.5	05.01						
12.2	OBS	00249	17.36	36.379	26.50		1520.4	04.96						
12.2	OBS	T00329	16.88	36.305	26.56		1520.2	04.81						
12.2	OBS	00411	16.09	36.166	26.64		1519.0	04.52						
12.2	OBS	00485	14.65	35.905	26.76		1515.3	04.40						
12.2	OBS	00631	13.42	35.757	26.91		1513.6	04.31						
12.2	OBS	T00778	10.19	35.277	27.15		1504.2	03.41						

TABLE LXVI.—Continued

REFID 31 2221	YEAR 1973	BOTDP 05278	AIR TEMP 21.9	DIR HGT PER	WIND-DIR 08	INST NANSEN CAST	TEN SQ 1206
CONSEC 0007	MONTH 06	SHIP IN	WET BULB 18.4	08 2 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 36 40 N	DAY 28	DATA USE 1	BAROMETR 1029.2	SEA	WIND-FOR	DURATION	2 SQUARE 68
LONG 048 00 W	HOUR 12.0	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG E87 007	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.46	36.407	25.46		1527.7	05.23						
12.0	OBS	00030	20.61	36.436	25.71		1526.0	05.43						
12.0	OBS	00054	19.57	36.422	25.98		1523.5	05.53						
12.0	OBS	00084	17.96	36.405	26.37		1519.4	05.29						
12.0	OBS	00109	17.80	36.401	26.41		1519.4	05.03						
12.0	OBS	00163	17.70	36.408	26.44		1520.0	05.01						
12.0	OBS	T00217	17.56	36.394	26.47		1520.4	05.01						
12.0	OBS	00326	17.18	36.354	26.53		1521.1	04.72						
12.0	OBS	T00434	16.56	36.256	26.60		1520.9	04.55						
12.0	OBS	T00543	15.15	36.022	26.74		1518.0	04.38						
12.0	OBS	T00652	13.74	35.806	26.88		1515.0	04.21						
12.0	OBS	T00874	09.27	35.197	27.25		1502.3	03.41						
12.0	OBS	01092	06.38	35.016	27.54		1494.6	04.79						
12.0	OBS	T01636	04.21	35.000	27.79		1494.9	06.52						

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REFID 31 2221	YEAR 1973	BOTDP 04100	AIR TEMP 22.5	DIR HGT PER	WIND-DIR 10	INST NANSEN CAST	TEN SQ 1206
CONSEC 0008	MONTH 06	SHIP IN	WET BULB 19.7	10 2 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 08 N	DAY 29	DATA USE 1	BAROMETR 1027.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 22 W	HOUR 12.8	AREA 05	CLOUD T/A 3/8	CL/TR	WEATHER X2	ORIG E87 008	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	22.02	36.378	25.28		1529.1	05.07						
12.8	OBS	00030	20.06	36.393	25.83		1524.4	05.66						
12.8	OBS	00057		36.413				05.46						
12.8	OBS	00086	17.86	36.403	26.40		1519.2	05.04						
12.8	OBS	00112	17.80	36.406	26.42		1519.4	05.03						
12.8	OBS	00175	17.67	36.399	26.44		1520.1	05.00						
12.8	OBS	T00224	17.54	36.381	26.46		1520.5	04.97						
12.8	OBS	00335	17.02	36.333	26.55		1520.7	04.63						
12.8	OBS	T00447	15.80	36.087	26.65		1518.6	04.99						
12.8	OBS	T00564	14.68	35.895	26.75		1516.7	04.97						
12.8	OBS	T00677	13.57	35.763	26.88		1514.8	04.34						
12.8	OBS	T00911	08.84	35.150	27.28		1501.3	03.50						
12.8	OBS	T01154	05.37	34.988	27.64		1491.6	05.16						

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REFID 31 2221	YEAR 1973	BOTDP 04720	AIR TEMP 22.1	DIR HGT PER	WIND-DIR 08	INST NANSEN CAST	TEN SQ 1206
CONSEC 0009	MONTH 06	SHIP IN	WET BULB 19.2	08 1 2	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 36 29 N	DAY 30	DATA USE 1	BAROMETR 1029.2	SEA	WIND-FOR	DURATION	2 SQUARE 68
LONG 049 47 W	HOUR 11.9	AREA 05	CLOUD T/A 0/0	CL/TR	WEATHER X0	ORIG E87 009	1 SQUARE 69

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	21.96	36.360	25.28		1528.9	05.16						
11.9	OBS	00025	21.59	36.345	25.37		1528.3	05.27						
11.9	OBS	00050	18.51	36.406	26.24		1520.5	05.70						
11.9	OBS	00075	17.93	36.390	26.37		1519.2	05.26						
11.9	OBS	00100	17.80	36.396	26.41		1519.2	05.06						
11.9	OBS	00150	17.72	36.399	26.43		1519.8	05.01						
11.9	OBS	T00205	17.60	36.396	26.46		1520.4	05.05						
11.9	OBS	00305	17.29	36.368	26.51		1521.1	04.80						
11.9	OBS	T00405	16.78	36.296	26.58		1521.1	04.60						
11.9	OBS	00510	15.62	36.094	26.69		1519.0	04.73						
11.9	OBS	T00610	14.78	35.978	26.79		1517.9	04.77						
11.9	OBS	T00810	12.00	35.558	27.04		1511.5	04.04						
11.9	OBS	T01015	08.39	35.187	27.38		1501.4	03.93						

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